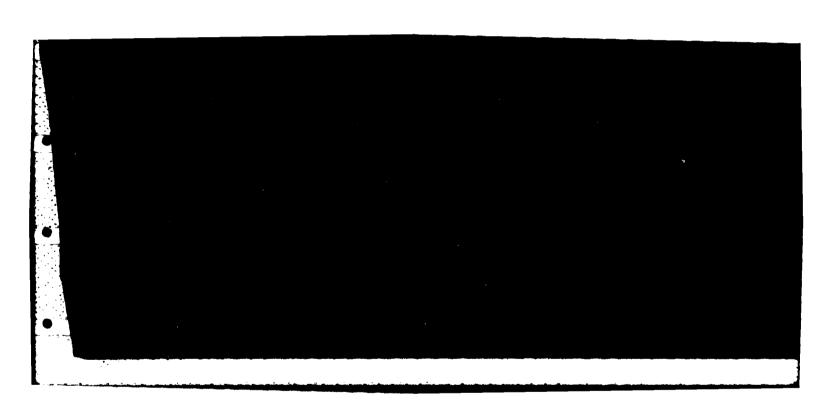


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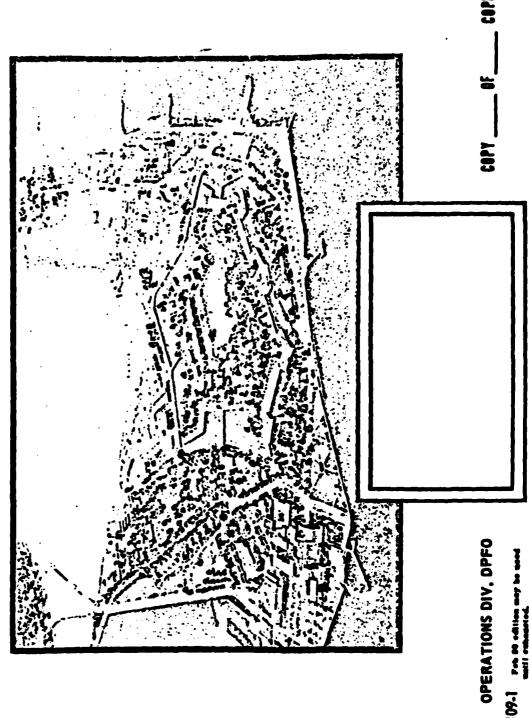


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IA. ABSTRACT (Commun on reverse side it necessary and identify by block number)					
This report presents a combination glossary and cross-reference capability for the					
reference engagement simulation (REFSIM) facility and for its associated hybrid models					

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# REFEIM HANDBOOK OF VARIABLE NAMES

# 1. DETRODUCTION

This handbook provides a combined glossary and composite cross-reference capability for the variable names used in the common areas of the reference engagement simulation (REFSIM) modeling facility and in two additional hybrid models which use REFSIM. These hybrid models are the SCM applications model (SCMAPP) and the SLQ-32 applications model (SLQAPP).

Three cross-reference/glosseries are included as APPENDICES A, B, and C, and are preceded by brief sections which describe their use and limitations. Appendix D lists additional definitions which were too long to be included in the glossery formet.

### 2. BACKGROUND

In REFSEM, almost all of the program—to-program communication is by named common area, rather than by calling sequence. The new person becoming familiar with REFSEM needs to be able to "ferret out" and comprehend such interfaces between subroutines of interest to him. This handbook has been designed to assist him in this task.

### 3. DOMPLE OF ENERGOIC USE WITH REPER

Consider the following typical situation: a new modeler has come "on board" and is in the process of familiarizing himself with the REFSIM programs. Suppose he is currently looking at subroutine AUTO2 at the "IF" statement below which computes DIPSID (if MODE is greater than 2):

### SUBROUTDE AUTO2

C \$1MBERT REFCONCOMMONC.AIRSMR(inserts following:)
COMMON /AIRSMR/ ALFM, BETA, THTG, PSI, PERR, PSIB, MODE,

- 1 1PPALT, IPPLGY, IPPDCY, IPPDCP, IPPTRM, IPPFOT,
- 2 LPFDUP, IFFCHP, IFFAIR, IFFCLT, IFFATP, IFFRAT,
- 3 IPPART, IPPER

17 (MCDE.CT. 2) D1PS1D=OV1 - 2.44\*PS1B

Manuscript approved May 4, 1982.

Perhaps he is interested in the variable named PSIB. What does it contain? What are its units? Where was it computed? In what other programs is it used?

These are the kinds of questions that the combination crossreference/glossary can answer. The entry for PSIB appears as follows in the REFSIM cross-reference:

Symbol	Description R	EFSIM Cross-Referen	T Common		L_File
	Dish yaw angle r body in degrees.	elative to missile	R /AIRSIR/ R /AIRSIR/	/ AUTO3 / DMITS M	L REFAIR L REFAIR L REFSEEK

MOTES: "N° column indicates variable is modified.
"T° column heading indicates type attribute.

The above excerpt reveals the following about PSIB:

- l) It contains the "dish yow angle relative to missile body in degrees."
  - 2) Its type is REAL (indicated by the R under column T.)
  - 3) PSIB is contained in named common area /AIRSHD/.
- 4) PSIB appears only in four programs: AUTO2, AUTO3, DHTS, and DHT2. This is very important and illustrates the value of this cross-reference package. There are presently over 140 subroutines in AUTSDM, but now the new person only has to look at four of them to investigate all uses of his current variable of interest, PSIB.
- 5) The "N" which appears between the "Routine" column and the "L File" column indicates the routines where variables are modified (i.e. computed or stored). Therefore PSIB is accessed in AUTO2 and AUTO3 and is modified in DUTS and DUT2.
- 6) The rightmost column of the cross-reference listing contains the "L File" in which the subroutine was contained and therefore is an indirect indicator of the REFSEM UFD where the subroutine resides. Thus, AUTO2 and AUTO3 come from within UFD REFAIR and DRITS and DRT2 come from within UFD REFSERK.
- 4. EXAMPLE OF HANCEBOOK USE WITH BOWAPP FOR SLOAPPI

The entry for PSIB in the SOWAP cross-reference appears as follows:

## ECHAPP Cross-Reference/Glossary

Symbol .	Description	T	Common	Routine	L_File
PGIB	Dish you angle relative to missile body in degrees.	R	/AIRSIR/ /AIRSIR/	AUTO3 INITS M	L REFAIR L AIR L CONVID

MOTES: "N° column indicates variable is modified.
"T° column heading indicates type attribute.

This entry shows that again PSIB happens to appear in four sub-outines. However, in this entry two of the "L File" (listing file) names, L AIR and L CONVID, do not begin with "REF"; hence the associated subroutines AUFO3 and IMITS are obtained from SCHAPP, not from REFSIM.

It may appear from the preceding example that the only difference between the NEFSDI cross-reference and the SDWAP cross-reference are the "L-File" names. However, this is not the case. Consider the following excerpts for the variable "NF":

### REFSDI Cross-Reference/Glossery

Symbol	Description	? Common	Routine	L_File
N		R /SCDIT/	TORSC CRITTA	L'REFERNT L'REFERNT

NOTES: "N° column indicates variable is modified.

"I" column heading indicates type attribute.

# SCHAPP Cross-Reference/Glossery

Symbol	Description	T Common	Routine L_Pile
NF	Reder frequency in hertz.	A /SCDAT/	THITS IN L CONVED EMERGE L REPENNIT

NOTES: "N° column indicates variable is modified.

"I" column heading indicates type attribute.

Note that the REFSDI excerpt includes two routines, INITR and CRITRA, which are not in the ECMAPP excerpt, and that the latter contains one routine, INITD, which is not in the REFSDI excerpt.

# 5. LIMITATIONS

The following limitations apply to the tables in this handbook:

- 1) Not all parameters are passed through common. Those which are passed through calling sequences do not appear.
- 2) Certain logical flags which are read from the input scenario file via an equivalenced block do not show the usual "N" after DHT2, the subroutine which reads them. However, the "Description" field is annotated accordingly as "Read in DHT2". These logical flags are: LCLHTR, LCCHTT, LYRDAT, LYRDAT, LECTAT, LECTAT, LECTAT, LECTAT, and LTDATE.
- 3) Certain variables appear in the cross-reference/glosseries which are not actually in common themselves, but which are equivalenced to common variables.

APPENDIX A - REFSIM Cross-Reference/Glossary

Symbol	Description	T Common Routine L_File
ACON	Constant part of one-way range	R /SIRROW/ BON L REFECH
	equation: 300.*XL/EA**2/PI 4**2	R /SIREMY INITS H L'REFSEEX R /SIREMY MOD2 L'REFSEEX
		R /SIRRON/ NOD2 L'REFSEEX R /SIRRON/ TARGNO L'REFSEEX
ACTOR	Square root of the constant part of	R /AFCOME/ BON L'REFEON
~~~~	one-way range equation.	R /APCONS/ NUTRGE N L'REFSEEX
		R /AICONS/ NUTROV L REFSEEK
		R /APCONS/ NUTRGY L REPSEEK
AE	Work vector for scintillation model.	R /HCEAS/ MERCS H L'REFERM
		R /NCSAS/ INITE N L'REFERAN
AEM	Azimuch error signal in degrees/	R /PARMY INITS H L_REFSEEX
	second.	R /PMRMY DISHE M L'REPSEEX
		R /PARMY DISH H L'REFSEEX
ACCCO	Matural logarithm of 10.	R /AGC/ AGC? L'REPSEEK
		R /ACC/ INITS H L'REFSERK
M	Work vector for scintillation model.	R /NCSAG/ MURCS H L REFEAM
	Minelly and about to decree	R /NCEAS/ INITE M L'REFEAM
ALPR	Missile angle of attack in degrees.	R /AIRSISK/ MAIN L'REPHADI
		R /AJRSIN/ ASROZ L REFAIR
		R /ADRIG ASNO L REFAIR
		R /ADRIN/ ASPO4 L REPAIR
		R /ADRIGN KINES L'REPAIR
		R /ADRIEV DURPIT L'REFADR
		R /AIRCON ENTING IN L'REFAIR
		A /AIRGO ENTENS A L'REPAIR
		R /ADRIEV DICTS L REFSER
		R /AIRGIG/ INITS L REPSEEK R /AIRGIG/ INITS R L REPSEEK R /AIRGIG/ INITS R L REPSEEK
		R /ADRON DATE H L'REFSER
		R /ADDREW PROFTS L'REFSEEK
ALDIC	Midcourse altimeter setting in	R /AUTO/ AUTO? L'REPAIR
	neters.	R /AUTO/ AUTO) L'REPAIR
		R /AUTO/ DEITHER M L REPAIR
		R /AUTO/ INTERS H L'REPAIR
	Antenna aperture diameter in meters.	R /GLIME/ CRITICA LINETERM
ANCHO	Angle noise actoy.	A /GLENT/ MICER H LINETENH
		A /GLOSE/ MON A LINES BAN
		A COLDINE! CRITICA A L'INCENCA
		A COLDINY CLINTS L'AMBAN
		A CLUME! NEDWA M L REPEAR
	Street and an at the total and the	R /GLENT/ WENCE IN L'INSPENSA
ALC:	Previous value of 15151C; used in	A / NUBLICA APPRIT IN L'REPENA
Amelia -	ANCIST.	R /NUMBERS/ RESTORT IN L'REPERSON
	Azimuth angle for which interpola- tion is to be done in degrees.	A /DATES ANTI A L'ASSESS
	tion is to be dure in degrees.	A /INTERP/ ANTIZ M L REPUBLIK
		T / 101 WEY THILE TO LINE THE

NOTES: "H" column indicates variable is modified.
"T" column heading indicates type attribute.

APPENDIX A - REFERM Cross-Reference/Glossary (Continued)

Symbol	Description	Ŧ	Common	Routin	•	r_Mre
AMTEL	Elevation angle for which interpolation is to be done in degrees.		/Dittel/ /Dittel/ /Dittel/ /Dittel/ /Dittel/ /Dittel/ /Dittel/	ANTIRAZ NOTINGV NOTINGS NETYTH ANTIZ ANTIRAZ NOTINGV	****	L REPOREX
APAT	Decoy eximuth entenne pettern erroy.			DITTE		CJANEDI CJANEDI CJANEDI
NEP	Provious value of espect angle in degrees.		/SCDR/	TANKS	M	C JABOUL C JABOUL
AUFOR	Gain for MSID feedback circuit. See also AFFENDIX D.	R	/MITO/	AUTO) IMITAR IMITAR	M	L THEFAIR L THEFAIR L THEFAIR
AUTOL	Lower limits for MEID, THED, CELP, or CELY. See also AFFECTEX D.		/MITO/ /MITO/ /MITO/	DITTE	M	L JANAUR L JANAUR
AUTOU	Upper limits for MSID, THTD, USLP, or URLY. See also AFFEREX D.	R	/MSTO/ /MSTO/ /MSTO/	INTERNATIONS INTERNATIONS INTERNATIONS	Ħ	F JANAGER F JANATE F JANATE
MIKE	Equivalenced to "YESS" (yew error signal).		/1645/	DESIGN	Ħ	Literatur
MIN	Seener pitch error signal (before filtering).					LINGS
A2	Angle of threat off decay boresight in eximuth degrees.					L_MPROI
	Asimuth difference pottern (inspinory port). Asimuth difference pottern (real	I	\W257\ \W257\	ANTINA 2		L Torres
<b>BCO</b> 10	part). Part of range equation:	1	/MSMI/	WEOD		L PAPAGE
OCTA	150.7EJEP-12/P[4-12 Missile sideslip ample in degrees.	R	/NCORE/ /ASPERA/ /ASPERA/	MADI	×	F JANATA F JANATA F JANATA
		R	/ASPERS/ /ASPERS/ /ASPERS/	ASTO1		LIMPAR
						LINEAR
			/ADDIN/ /ADDIN/	INLINE INLINE PATERA	7 7 7	L REPARE L REPARE L REPARE
المناوعية		A	/ADMIN	DAT 2	Ħ	LINESEEK

NOTES: "N° column indicates variable is medified.
"T° column heading indicates type attribute.

AFFENDIX A - REFSB4 Cross-Reference/Glossary (Continued)

Symbol	Description	T	Common	Routine	L_Pile
BLOCIE	Array which holds the "signature"	R I	/AIRSID/ /AIRSID/ /SIGNAT/	PRDITZ NADN N	L repseek L repseek L rephadii
	parameters for run.	I	/SIGNT/ /SIGNT/ /SIGNT/	MADI DUGIT	L'REPHADI L'REPHADI L'REPADR L'REPADR
	Bandwidth of the "pass-band" in radians/second.	R		MINIT M	LINEFERMIT
OGGADI	doresight antenna gain (voltage gain).	RRR	/CBEGAN/ /CBEGAN/	ANTIL M	L repseex L repseex
agn.	Pitch base serve angle in degrees.	R	/CDEGAN/	MITTAGY	
		R R	INW	DUPIT INITMA M	L'REPAIR L'REPAIR L'REPAIR
CER	Longitudinal center of ICS distribu- tion in meters.		/BMIT/		LREPMIT
CDM	Transverse center of RCS distribu-		/BMIT/		L'REPENT
CXS1	Multiplier to convert knots to neters/ second.	***		iniae Uniab	F MELECT F MELECT F MELECH F MELECH F MELECH
CFRAST	Closing velocity. Will be needed for "moving meditipath".		/MATEL/		LINETERMIT
_	of spectrus center frequency in radians/second.  Elevation angle coefficient array.	Ŗ	/WOLKS/	MANADI ELSTR	L REPRINT
COREST	Previous value of cooline of PSISPC;			POUT #	F JELBANI.
CPICN	Frevious value of cosine of pitch.		/KINE/	EDES M	LREPAIR
CMD	Multiplier to convert radians to degrees.	<b>R</b>	/KINE/ /CONST/ /CONST/	ABRO4 KENE2	L REPAIR L REPAIR L REPAIR L REPAIR
		*	/COME/	inition m	L REPAIR
			/coet/	AMERICS SATEMA	LREPERMIT

AFFENDIX A - REFSIM Cross-Reference/Glossary (Continued)

Symbol Description	T Common	Routine L_File
	R /CONST/	TARANG L_REFENVMT
	r /const/	TCORSC L_REFENIMT
	R /CONST/	
	R /CONST/	_
	R /CONST/	
	R /CONST/	refang l_refenant
	R /CONST/	wince l_refenimt
	r /const/	MLTPTH L_REFENOMT
	R /CONST/	SCAN2 L_REFSEEK
	R /CONST/	inite m lepseek
	R /CONST/	inits l_repseek
	R /CONST/	int2 l refseek
	r /const/	MOD2 L_REFSEEK
	r /const/	rgate l'repseek
	R /CONST/	DECOY L REFTGT
	R /CONST/	
CSCAN Cosine of beam scanner angle.	r /scam/	MLTPTH L_REFENOMT
	r /scan/	
	r /SCAN/	DEMOD2 L_REPSEEK
	r /scan/	MOD2 L_REFSEEK
	R /SCAN/	Modply L_refsrek
	R /SCAN/	
CURLOC Current location.	I /MILK/	MOLCKI M L'REFSEEK
	I /MILK/	MALOCK M L REPSEEK
CYDN Previous value of cosine of yew.	R /KINE/	KINE2 M L REFAIR
	R /KINE/	INITHE M L REPAIR
	R /KINE/	iniths M L repair
DIALM Angle of attack rate in degrees/	R /ABRO/	AERO2 M L REFAIR
second.	R /AERO/	AERO3 M L REFAIR
	R /AERO/	AERO4 M L REFAIR
	R /AERO/	INITIAR M L REFAIR
	R /AERO/	iniths m l'refair
	R /AERO/	INT2 L REFSEEK
0.0000 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	R /AERO/	INT4 L REFSEEK
DIBETA Sideal ip rate in degrees/second.	R /AERO/	
	R /AERO/	
A.A	R /AERO/	INT4 L REFSEEK
DIBSRV Pitch base servo angle rate in	R /ARM/	AUTO4 M L_REFAIR
والمراقع والمراقع في في المراقع والمراقع والمراق		

NOTES: "N" column indicates variable is modified.

<sup>&</sup>quot;T" column heading indicates type attribute.

AFPENDIX A - REFSIM Cross-Reference/Glossary (Continued)

Symbol Description	T Common Routine L File
degrees/second.	R /ARM/ INT4 L REFSEEK
DIDELA Aileron deflection angle rate for	R /ARMROL/ AUTO4 M L REFAIR
roll in degrees/second.	R / ARMROL / INT4 L REFSEEK
DiDELP Elevator rate in degrees/second.	R /AUTO/ AUTO2 M L REFAIR
•	R /AUTO/ AUTO3 M L REFAIR
	r /auto/ auto4 m l refair
	r /auto/ inithr m l refair
	R /AUTO/ INITMS M L REFAIR
	R / AUTO / INT2 L REFSEEK
	R /AUTO/ INT4 L REFSEEK
DiDELY Rudder rate in degrees/second.	R /AUTO/ AUTO2 M L REFAIR
•	R /AUTO/ AUTO3 M L REFAIR
	r /auto/ auto4 m l refair
	r /auto/ inithr m l refair
	R /AUTO/ INITMS M L REFAIR
	R /AUTO/ INT2 L REFSEEK
	R /AUTO/ INT4 L REFSEEK
DIGNIP Pitch velocity vector angle rate in	R /ARM/ AERO4 M L REFAIR
degrees/second.	R /ARM/ INT4 L REFSEEK
DIGAMY Yaw velocity vector angle rate in	R /APM/ AERO4 M L REFAIR
degrees/second.	R /APM/ INT4 L REPSEEK
DiFM: Missile body roll angle rate in	R /APMROL/ AERO4 L REFAIR
degrees/second.	R /ARMROL/ AUTO4 L REFAIR
• "	R /ARMROL/ INITAM M L REPAIR
	R /APPROL/ INT4 M L REPSEEK
DIPINT Pitch integrator input in degrees/	R /AUTO/ AUTO2 M L REFAIR
second.	R /AUTO/ AUTO3 M L REPAIR
	R /AUTO/ INITHE M L REPAIR
	R /AUTO/ INITMS M L REPAIR
	R / AUTO/ INT2 L REFSEEK
DIPS: Yow rate in degrees/second.	R /AERO/ AERO2 L REFAIR
·	r /aero/ aero3 l refair
	r /aero/ aero4 l_refair
	r /aero/ auto2 l_refair
	r /aero/ auto3 l_refair
	r /aero/ auto4 l_refair
	r /aero/ initam m l_repair
	r /aero/ inither m l_repair
	r /aero/ iniths h l_refair
	R /AERO/ INT2 M L_REPSEEK
	r /aero/ int4 m l_refseek
DIPSID Yaw base servo input in degrees/	r /auto/ auto2 m l_refair
second.	r /auto/ auto3 m l_refair
	r /auto/ auto4 m l_repair
	r /auto/ inither n l_repair
	r /auto/ iniths h l_repair
الواكنونة عيون فيتناف والأموم فيلاق الانتانات وينفي أنتيان والمناط وويونونون والمتاركون	

APPENDIX A - REFSIM Cross-Reference/Glossary (Continued)

Symbol	Description	T	Common	Routine	L_File
		R	/AUTO/	INT2	L REFSEEK
			/AUTO/	INT4	L REFSEEK
DIRALT	Rate altimeter input in meters/		/AUTO/		L REFAIR
	second.		/AUTO/		L REFAIR
			/AUTO/		L REFAIR
			/AUTO/		L REFAIR
			/AUTO/	INT2	L REFSEEK
DITHET	Missile pitch rate in degrees/second.			AERO2	LREFAIR
			/AERO/	AERO3	L REFAIR
			/AERO/	AERO4	L REFAIR
			/AERO/	AUTO2	L REFAIR
			/AERO/	AUTO3	L REFAIR
			/AERO/	AUTO4	L REFAIR
			/AERO/		L REFAIR
			/AERO/		L REFAIR
			/AERO/		L REFAIR
			/AERO/		LREFSEEK
			/AERO/		LREFSEEK
DITHNT	Uncaged pitch lead gyro angle rate in				L REFAIR
J	degrees/second.		/ARM/	INT4	LREFSEEK
DITHTO	Pitch base servo input in degrees/.		/AUTO/		L REFAIR
J	second.		/AUTO/		L REFAIR
•			/AUTO/		L REFAIR
			/AUTO/		LREFAIR
			/AUTO/		L REFAIR
			/CTUA/	INT2	L REFSEEK
			/AUTO/	INT4	LREFSEEK
חזיוויות.	Yaw lead gyro rate in degrees/second.		/AUTO/		L REFAIR
J	zam zama gyta tana zii angitana anooimi		/AUTO/		L REFAIR
			/AUTO/		L REFAIR
			/AUTO/		L REFAIR
			/AUTO/		L REFAIR
			/AUTO/	INT2	L REFSEEK
			/AUTO/	INT4	L REFSEEK
DIVEL	Acceleration of missile in meters/		/ARM/		L REFAIR
	second**2.		/ARM/	INT4	L REFSEEK
DIWITA	Weight loss rate in kilograms/		/ARM/		L REFAIR
02	second**2.		/ARM/	DUMPIT	L REFAIR
			/ARM/	INT4	LREFSEEK
DIXMT	Missile-to-target X rate in meters/		•		L REFAIR
<i>D</i> 2,70.1	second.		•		L REFAIR
	3000121		/ARMKIN/		L REFAIR
DIXT	X component of target velocity in		/ARM/	MAIN	L REFMAIN
P-1/14	meters/second.		/ARM/		L REFAIR
	meter by between a		/ARM/	INT4	LREFSEEK
DIYMT	Missile-to-target Y rate in meters/		/ARMKIN/		L REFAIR
DIIMI	LITEGITE - M- MITTAEL I LATE III HIGGERA	·'\	\ LEGGETTA\	Winds (	- PURNIK

NOTES: "M" column indicates variable is modified.
"T" column heading indicates type attribute.

APPENDIX A - REFSIM Cross-Reference/Glossary (Continued)

Symbol	Description	T	Common	Routine	L_File
	second.				L REFAIR
			/ARMKIN/		L_REFAIR
Dlyt	Y component of target velocity in		/ARM/	MAIN	L_REFMAIN
	meters/second.		/ARM/		L REFAIR
		R	/ARM/	INT4	L_REFSEEK
DIZMT	Missile-to-target Z rate in meters/		/ARMKIN/		L REFAIR
	second.	R	/ARMKIN/	INITAM M	LREFAIR
		R	/ARMKIN/	MISS	LREFAIR
D2PHI	Acceleration of missile body roll	R	/ARMROL/	AERO4 M	L REFAIR
	angle in degrees/second**2.	R	/ARMROL/	INT4	LREFSEEK
D2PSI	Missile yaw acceleration in degrees/	R	/AERO/	AERO2 M	L REFAIR
	second**2.		/AERO/	AERO3 M	L REFAIR
			/AERO/		LREFAIR
			/AERO/	INITHR M	L REFAIR
			/AERO/		L REFAIR
			/AERO/	INT2	L REFSEEK
			/AERO/	INT4	L REFSEEK
D2THET	Missile pitch acceleration in degrees,				L REFAIR
	second**2.		/AERO/		L REFAIR
			/AERO/		L REFAIR
			/AERO/		L REFAIR
			/AERO/		L REFAIR
			/AERO/	INT2	L REFSEEK
			/AERO/	INT4	LREFSEEK
DAPT	Antenna azimuth difference pattern.		/PATSYM/		L REFSEEK
	Equivalenced to "CVDOAZ".		/CV/	DOTPR	L REFSEEK
	Decoy turn on time in seconds after		/PARAM/		LREFSEEK
DD0101	launch.		/PARAM/	DECOY	L REFTGT
DELA	Aileron deflection angle for roll in		/ARMROL/		L REFMAIN
<i>5</i> 22.	degrees.		/ARMROL/		L REFAIR
	acyteco.		/ARMROL/		L REFAIR
			/ARMROL/		L REFAIR
					L REFAIR
			/ARMROL/		L REFSEEK
DELYCD	Delta aspect angle in degrees.			DECHO	L REFENVMT
DELEASE	beita aspect digite in degrees.		/SCINT/	TARANG	L REFENVMT
			/SCINT/		L REFENVMT
DELD	Florator angle in degrees		•	MAIN	L REFMAIN
DELP	Elevator angle in degrees.		/AERO/	AERO2	L REFAIR
			/AERO/		_
			/AERO/	AERO3	L REFAIR
			/AERO/	AERO4	LREFAIR
			/AERO/	AUTO2	L REFAIR
			/AERO/	AUTO3	L REFAIR
			/AERO/	AUTO4	LREFAIR
			/AERO/	DUMPIT	L REFAIR
		K	/AERO/	INITAM M	LREFAIR
MOMBC -	NAM1 indicates conjuble is medic	63.	<del></del>		

APPENDIX A - REFSIM Cross-Reference/Glossary (Continued)

Symbol	Description	T	Common	Routine	L_	File
		R	/AERO/	INITHR M	L	REFAIR
		R	/AERO/	INITMS M	L	REFAIR
		R	/AERO/		L	REFSEEK
		R	/AERO/	INT4 M	L	REFSEEK
		R	/AERO/	PRINT2	נ	REFSEEK
DELPSI	Azimuth pattern stepsize in degrees.	R	/INTERP/	ANTIL M	L	REFSEEK
		R	/INTERP/	ANTI2 M	L	REFSEEK
		R	/INTERP/	ANTNA 1	L	REFSEEK
		R	/INTERP/	ANTNA 2	נ	REFSEEK
DELR	Peak magnitude difference at port and	R	/MCSAS/	AMERCS		REFENMI
	starboard. (db/m**2)		/MCSAS/	DECHO		REFENMI
	•	R	/MCSAS/	INITE M		
DELTHE	Elevation pattern stepsize in degrees				_	REFSEEK
			/INTERP/			REFSEEK
			/INTERP/			REFSEEK
		R	/INTERP/	ANTNA 2		REFSEEK
DELTIM	Model integration interval in		/ASE/	MAIN		REFMAIN
	seconds.		/ASE/	INITAM M	L	REFAIR
			/ASE/	RCO	-	REFENVMT
			/ASE/	TARANG	L	REFENMT
			/ASE/	CLUTER		REFENVMT
			/ASE/	_	-	REFENVMT
	•		/ASE/	ANGRCO		
			/ASE/	CRITRA	L	REFENVMT
			/ASE/	GLINT2		REFENVMT
			/ASE/			REFSEEK
			/ASE/	INT2	L	REFSEEK
			/ASE/	INT4	LI	REFSEEK
		R	/ASE/	LOCK2	L	REFSEEK
		R	/ASE/	MINLOCK	L	REFSEEK
DELTMP	Equivalenced to "CVDOEL".	R	/CV/	DOTPR	LI	REFSEEK
DELY	Rudder angle in degrees.	R	/AERO/	MAIN	L	REFMAIN
	-	R	/AERO/	AERO2	L	REFAIR
		R	/AERO/	AERO3	LI	REFAIR
		R	/AERO/	AERO4	Li	REFAIR
		R	/AERO/	AUTO2	נו	REFAIR
		R	/AERO/	AUTO3	LI	REFAIR
		R	/AERO/	AUTO4	L	REFAIR
		R	/AERO/	DUMPIT	LÌ	REFAIR
		R	/AERO/	INITAM M	LI	REFAIR
		R	/AERO/	INITHR M	LI	REFAIR
			/AERO/	INITMS M	L	REFAIR
			/AERO/			REFSEEK
			/AERO/		L	REFSEEK
			/AERO/	PRINT2		REFSEEK
DEPT	Antenna elevation difference pattern.	I	/PATSYM/	ANTI M		REFSEEK

APPENDIX A - REFSIM Cross-Reference/Glossary (Continued)

Symbol	Description	T	Common	Routine	L_File
DIFA	Azimuth difference pattern array	I	/PATTRN/	ANTII	L_REFSEEK
	(Ohio State).		/PATTRN/		LREFSEEK
DIFAI	Imaginary part of azimuth difference	R	/INTOUT/	ANTINNA M	LREFSEEK
	pattern (Ohio State).	R	/INTOUT/	ANTNA1 M	l refseek
		R	/INTOUT/	ANTNA2 M	LREFSEEK
		R	/INTOUT/	M3TRGV	LREFSEEK
		R	/INTOUT/	M3TRGV	L REFSEEK
			/INTOUT/		LREFSEEK
DIFAR	Real part of azimuth difference	R	/INTOUT/	ANTINNA M	l refseek
	pattern (Ohio State).				L REFSEEK
	•				L REFSEEK
			/INTOUT/		L REFSEEK
			/INTOUT/		L REFSEEK
			/INTOUT/		L REFSEEK
DIFARR	Equivalence of azimuth difference		/PATSYM/		L REFSEEK
	pattern array (Ohio State).		,		
DIFE	Elevation difference pattern array	I	/PATTRN/	ANTII	L REFSEEK
	(Ohio State).		/PATTRN/		L REFSEEK
DIFEI	Imaginary part of elevation			ANTINNA M	
	difference pattern (Ohio State).		•	ANTNA1 M	
	difference banacin (onto perse)				L REFSEEK
			/INTOUT/		L REFSEEK
			/INTOUT/		L REFSEEK
•			/INTOUT/		L REFSEEK
DIFER	Real part of elevation difference			ANTINNA M	
J	pattern (Ohio State).				L REFSEEK
	passessi (onle bease) t				L REFSEEK
			/INTOUT/		L REFSEEK
			/INTOUT/		L REFSEEK
			/INTOUT/		L REFSEEK
DIFFER	Equivalence of elevation difference		/PATSYM/		L REFSEEK
	pattern array (Ohio State).	•	/thioh-y	.Resture.	P IVER OPEN
DIST	Miss distance in meters.	R	/SKR/	MAIN	L REFMAIN
<i></i>	. 1100 GERTON III III GOLDI		/SKR/		L REFAIR
			/SKR/		L REFSEEK
			/SKR/		L REFSEEK
			/SKR/		L REFSEEK
DMX	Missile X directional derivative in		/KINE/		L REFAIR
TA:IX	meters/second.		/KINE/		L REFAIR
	meters/second.		/KINE/	INT2	L REFSEEK
			/KINE/	INT4	L REFSEEK
DMY	Missile Y directional derivative in		/KINE/		L REFAIR
74.17	meters/second.		/KINE/		L REFAIR
	meters/ secula.				L REFSEEK
			/KINE/	INT2	
DM7	Missile Z directional derivative in		/KINE/	INT4	L REFSEEK
DMZ	wissite & directional delivative in	K	/KINE/	AUTO2	L_REFAIR

APPENDIX A - REPSIM Cross-Reference/Glossary (Continued)

Symbol	Description	T	Common	Routine	L_File
	meters/second.	R	/KINE/	AUTO3	L REFAIR
		R	/KINE/	KINE2 M	LREFAIR
		R	/KINE/	KINE4 M	L REFAIR
			/KINE/	INT2	L_REFSEEK
			/KINE/	INT4	l repseek
DRATIO	Specular-to-direct gain ratio.	R	/MPATHI/	MLTPTH M	LREPENMT
DRCO	Correlation filter coefficient.	R	/RNDPR2/	RAPR1	LREFENINT
		R	/RNDPR2/	RAPR2	LREPENMIT
		R	/RNDPR2/	RAPR3	LREPENMI
		R	/RNDPR2/	RAPR4	L REPENUNT
		R	/RNDPR2/	RCO M	L REPENMT
		R	/RNDPR/	BPRPR	LREPENMIT
		R	/RNDPR2/	INITE M	LREPENMIT
		R	/RNDPR/	ANGER	LREPENMI
		R	/RNDPR/	ANGRCO M	LREPENMIT
DRCOM	Correlation filter coefficients.	R	/Baras/	RAPR5	L REPENMIT
		R	/BARAS/	RCO M	L REPENMIT
		R	/Baras/	INITE M	L REPENMIT
DRCOQ	Correlation filter coefficients.	R	/BARAS/	RAPR5	L REFENMT
		R	/BARAS/	RCO M	L REPENMIT
		R	/Baras/	INITE M	L REPENMIT
DRNG	Cumulative delta range since last variance calculation in meters.	R	/ENVMT/	GLINT2 M	LREPENMIT
DT	Simulation step size in seconds.	R	/MPBLK3/	MPINIT M	L REFENINT
	·	R	/MPBLK3/	GAUBND	L REFENINT
DTL	Platform motion update time increment				L REFECM
	in seconds.	R	/VCORE/	CHAFF	L REFIGT
		R	/VCORE/	DECOY	L REFTCT
			/VCORE/	SHIP	L REFIGT
DUTY	Decoy duty cycle in percent.	R	/DCOY/	PRINT2 M	l refseek
DX	DX integration array.	R	/INT/	AGC2 M	L REPSEEK
			/INT/	INITC M	L REPSEEK
		R	/INT/	INITS M	l refseek
			/INT/	INT2	L REFSEEK
			/INT/	DEMOD2 M	L REPSEEK
		R	/INT/	DOTPR M	L REFSEEK
		R	/INT/	DISH2 M	L REFSEEK
			/INT/		L REFSEEK
		R	/INT/		l refseek
			/INT/		LREFSEEK
			/INT/		L REFSEEK
			/INT/		LREFSEEK
			/INT/		L REFSEEK
DYNP	Dynamic pressure in pounds/foot**2.		/ARM/		L REFAIR
			/ARM/	DUMPIT	L REFAIR
DYSB	Cumulative delta GYSB since last		/ENVMT/		LREFERMIT

NOTES: "M" column indicates variable is modified.
"T" column heading indicates type attribute.

APPENDIX A - PEFSIM Cross-Reference/Glossary (Continued)

Symbol	Description	T	Common	Routine	L_File
	variance calculation in degrees.	R	/DNHT/	GLINT2 M	L REFENNIT
EL	Angle of threat off decoy boresight	R	/DCOY/	PAYLOD M	LTREFFECH
ELA	in elevation degrees.  Decoy elevation angle at launch in	R	/DCOY/	INITR M	L REFECH
	degrees.		/DCOY/	PAYLOD	L REFECH
ELDIFI	Elevation difference pattern		/PATRN6/	ANTI2	L REPSEEK
	(imaginary part).	I	/PATRING/	ANTHA 2	LREFSEEK
ELDIFR	Elevation difference pattern (real	I	/PATRNS.	ANTI2	LREFSEEK
	part).	I	/PATRWS/	ANTINA 2	l_refseek
<b>EMSQ</b>	Ratio of steady return to average	R	/BARAS/	PRATIO	LREPENNIT
	random power.		/Baras/	•	LREFEMENT
<b>EPAT</b>	Decoy elevation antenna pattern array.			INITR M	LREFECH
			•	ELPAT	l_refech
eps	Aspect angle where peak begins in		/MCSAS/		LREPONNT
	degrees.		/MCSAS/		LREFERMIT
			/MCSAS/		LREPENMI
PACDAZ	Monopulse pattern normalizing factor.				LREFSEEK
	Dimensionless.		/INTOUT/		l refseek
			/INTOUT/		LREFSEEK
			/INTOUT/		LREPSEEK
			/INTOUT/		LREFSEEK
			/INTOUT/		L REFSEEK
PACDEL	Monopulae pattern normalizing factor.				LREFSEEK
	Dimensionless.		/INTOUT/		LREFSEEK
			/INTOUT/		L REFSEEK
			/INTOUT/		LREFSEEK
			/INTOUT/		LREFSEEK
	Normal Inchine acceptant for more		/INTOUT/		L REFSEEK
PACSUM	Normalization constant for sum		/INTOUT/		L'REFSEEK L'REFSEEK
	channel antenna gain. Dimensionless.		/INTOUT/		L REPSEEK
			/INTOUT/		L REPSEEK
		-	/INTOUT/	-	L REPSEEK
			/INTOUT/		L REFSEEK
FI	Floretian aggreent for entenna		/INTSYN/		LREFSEEK
LT	Elevation argument for antenna interpolation routine in degrees.		/INTSYN/		L REFSEEK
	interpotation touchier in degrees.				L REPSEEK
					LREFSEEK
PIAT	Flat earth approximation flag.				LREFENMT
FLAT	(T=Flat, F=Not valid)				L REPENMT
20021	Angle noise array.		/GLINT/		LREFERMIT
r ratel	undre inter offer.		/GLINT/		LREFENMT
			/GLINT/		LREFENMT
FRREW	Angle noise array.		/GLINT/		L REFENANT
	indea mana arrati		/GLINT/		L REFENANT
			/GLINT/		L REFENMIT
			,,		

APPENDIX A - REFSEM Cross-Reference/Glossary (Continued)

Symbol	Description	Ŧ	Common	Routine L_File
G	G array. Contains gain constants,	R	/PARWV	INITC M L REFSEEK
	etc. See also APPENDIX D.	R	/PARWY/	inits m l_refseex
		R	/PARWI/	DEMOD2 M LTREFSEEK
		R	/PARWY	DOTTR H L_REFSEEK
			/PARM/	DISH2 L_REFSEEK
			/PARWY	DISHM L REFSEEK
			/PARANY	LOCK2 L_REFSEEK
			/PARAN/	MALOCK L REPSEEK
GADER	Threat normalized receive gain.		/SICK/	BON LIREFBON
			/SICR/	INITE N L REPENNT
			/SIO/	MLTPTH L REPENNIT
			/SIO/	PRINT2 L REFSEEK
			/555/	MOD2 M L REFSEEK
_			/900/	MODPLX M L REFSEEK
GAINT	Threat normalized transmit gain.		/SIGV	PAYLOD L REFECH
			/510/	INITE H L REFERENT
			/SIR/	MITTH L'REFEMMT
			/SIG/	PRINT2 L REFSEEK
			/900/	njtrgv m l'repseek njtrgv m l'repseek
			/ <b>SIG</b> /	NOTEGY M L'REPSEEK
			/910\/ /910\/	MODPLX M L REFSEEK
			/SIGV	MODING M L REPSEEK
			/SIQ/	DARGVO N L REFSEEK
GAME	Work vector for scintillation model.		/NCSAS/	MIERCS N L REPENNIT
GTIE	NOTA VOCAST LOS CELIFICION MODELI		/MCSAS/	INITE H L REFERENT
GMI	Work vector for scintillation model.		/MCEAS/	MERCS H L'REFERNIT
<b>W</b>			/MCSAS/	INITE H L REFERENT
GMP	Pitch velocity vector angle in		/NRV	MADI L'REPHADI
	degrees.		/NRV	AERO4 L'REFAIR
	20,000		/NW	KINE4 L'REPAIR
			/ARW	DUMPIT L'REFAIR
			/ARW	initam m l'refair
			/ARW	miss l'refair
		R	/ARW	int4 m l_refseek
GAMY	Yaw velocity vector angle in degrees.	R	/ARN/	MADN L_REPMADN
	•		/ARM/	KIME4 L_REFAIR
			/ARW	DUMPIT L'REPAIR
			/APM/	INITAM M LTREPAIR
			/NRV	INT4 M L REPSEEK
CAREL	Angle noise array.		/GLDMI/	AIGVA L'REPENNIT
			/GLINT/	REPAIG M L'REPENMT
CAREV	Angle noise array.		/GLINT/	ANGVA L REPENMIT
			/GLINT/	REPANC N L REPENMT
CAUSS	Gaussian white noise.		/RIOPR/	
		R	/RNDPR/	CLIMIT L REFERENT

AFFENDIX A - REFSEM Cross-Reference/Glossary (Continued)

Symbol	Description	Ŧ	Common	Routine	L_File
	•••		/RMDPR/	ANGER	L REFERENT
Œ	AGC signal gain constant.		/XCC/	801	LIREFBON
			/ACC/		LREFEER
			/NGC/		LREFEEEX
			/NGC/	NJTRGV	LREFEER
			/AGC/	MITRGV	LREFSEEX
			/ACC/	MODS	LREFSEEK
			/NGC/	MODPLX	L REFSEEX
			/NGC/	MODINI 3	
CIMB	Oltob minhal combo to democra		/NGC/	TACAO	LREFSEEK
GUIP	Pitch gimbal angle in degrees.		/ASOV	MADI	LREPHADI
			/NOV	AUTO4	LREFAIR
			/NOV	DUMPIT	LREFAIR
			/NOV		LREADR
			/NOV	SWITCH	LREPAIR
-	Maria dahah anaha da danman		/NOV		LREFSEEK
SIMY	Yaw gimbal angle in degrees.		/NW	MADI	LREMADI
			/NW/	AUTO4	LREFAIR
			/APV	DUMPIT	LREPAIR
			/NOV		LINEFAIR
			/NW/	SVITCH	LREFAIR
CDC) =	Seems entered make anto to the		/NOV		CREFSEEX
GPEAK	Decoy antenna peak gain in db.		/DCOY/		LINEPSON
_	Change colored and a threat		/DCOY/	PAYLOD	LINEFECH
CR .	Decoy antenne gain in threat direction in db.	K	/DCOY/	MATCOD N	(Jenson
<b>GRCS</b>	Normalized threat transmit gain in		/GLD/T/		LREPONT
	direction of target RCS center.	R	/GLDIT/	CLINT2 M	LREPENME
			/CLDIT/		LREPONT
GUCK	Ground range from target to missile	R	/NEW THI!/	INITE M	CREPANT
	in meters.		/PEATEL/		LREPOMI
			/MATEL/		LREFSEEK
CRSP	Threat receive gain at the specular point.	R	/PEATHI/	MLTPTH N	LINEPOMIT
CIMS	Multiplier to convert "g"s to meters per second"*2.	R	/CONST/	INITC M	LREPSEEK
CTSP	Threat transmit gain at the specular	R	/PEATHI/	MLTPTH M	LREPENNT
CY58	point. Boresight angle to target RCS	R	/DANT/	CLIMTO N	L REPENNT
J	distribution center in degrees.			REPAIC	
HRLEV	Ship's hull height above water line			ELSTR	
·	in meters.	R	/BAGAG/	INITE =	LREPRINT
HITCHP	Bit count.				LREPSEEK
	her samiri				LREPSEEK
TANCARO	Angle noise array.				LREPENNT
	raysa norsa accopy			CRITRA	
			/ <del></del>		P. LORE BELALI

APPENDIX A - REFER Cross-Reference/Glossary (Continued)

Symbol Description	T Common	Rout ine	L_File
	I /GLDVT/		L REPENNT
	I /GLD/T/		LREDMIT
and a second by the African and the African and	I /GLD/T/		LREPRINT
IBOV Plag. 1 indicates bow depression.	I /BANS/		LINEENNI
TOTAL TARACTURA CARACTER AND			LREDANT
ICIONG Plag. 1 indicates change in aspect	I /DISTYP/		LREENIT
greater than T(35).	I /DISTOP/		LREENNIT
	I /DISTIP/		LIBBANT
			CRETEMIT
			LREPONN
TOW ON Shapet Applicament Class See	i /DISTOP/		LIMENM
IDPLOY Target deployment (Lag. See	I ACORE/		
also AFFORIX D.	I VCORE/		LREPRES
	I ACORE/		
	I ACCRE/		LREPSEEK
	I //CORE/		LREFSEER
	I /VCORE/		LREPSEEK
	I MOORE/		
	I /ACORE/		
IFFAIR Flag. 1 disables autopilot and	I /ADSID/		LREAD
aerodynamics.	I /ADROID/		LREPAIR
art columns of	I /ADOM/	METO?	LREPAIR
	I /ADSIR/	MITO3	LREAD
	I /AIDSID	INIT?	LREPSEEX
	I /ADDON	DALEC W	LREFSEEK
	I /ADSID/	DISM2	LREFSEEX
	I /ADROID/	DESIGN	LREPSEEX
IFFALT Flag. 1 disables altimeters (terminal			LREPAIR
mode) .	I /ADSID/		LREPAIR
	I /AIRSIO		L REPSEEK
	I /AIRSID		L REPSEEK
	I /ADSIGN		LREPSEEK
	I /AIRSIO		L REFSEEK
	I /AIRSID/		LREPSEEK
IFFAMT Flag. Selects threat antenna:	I /AIRSID		LREPEN
1=Coero, 2=AFQ-112, 3=Chio State.	I /AIRSIR/	MITTE	L REPENNT
			LREPSCEX
	I /AIRSIR/		LREPSEEK
	I /AIRSIR/		LREPSEEK
	I /AIRSIR/		LREPSEEK
IPPATP Flag. Selects airframe type: 0-MSE;	1 /AIRSKR/		LREPAIR
1466 light; 2466 heavy; 3-Aft.	1 /AIRSIR/		L REPAIR
• • • • • • • • • • • • • • • • • • •	I /AIRSHIV		
	I /AIRSID/		LREPSEEK
	i /AIRSKR/		LREPSEEK
	_ ,		

APPENDIX A - REFSEM Cross-Reference/Glossary (Continued)

Symbol Description	T Common Routine L_File
IFFCHP Flag. I switches on denodulator	I /AIRSIN/ INITC M L REFSEEK I /AIRSIN/ DENOD? M L'REFSEEK
chopper outputs.	I /ADMIN/ DOTTO M L REFSEEK
IFFECP Flag. 1 switches on pitch denodulator	
chopper.	I /ADRIN/ DENOD? N L'REFEER
	I /AIRSIN/ INITC M L'REPSEEK
chopper.  IFFOUR Flag. 1 indicates completion of dish	I /AIRSIN/ DINOD? M L'REPSEEX I /AIRSIN/ INITC M L'REPSEEX
	I /ALPENN/ DISHE H L REPSEEK
	I /ALREND/ DISHM M L REFEREN
IFFER Flag. Controls subroutine SUSER.	I /AIRSIN/ INIT? M L'REFSEEK
1-670P, 2-ASTUM, 3-CALL EXIT.	I /ADISIN/ SUBSIN LINEFSEEK
IFFGLT Flag. 1 enables simulation of glint.	I /ADBIN/ GLINTS IN L'REFENANT
IFFLGY Flag. 1 uncages lead gyro.	I /ADRIEV DITTO M L'REPOREX I /ADRIEV AUTOS L'REPAIR
trems ried. I dicades tem distri-	I /AIRGIR/ AUTO) L REFAIR
	I /ADRIEV INITE IN L'REFREEK
	I /ADRION/ DISHE M L'REFSEEX
	I /ADRION DESIGN M L'REFSEEK
	I /ADMIN/ DITTE IN L'REPSEEK
	I /ALREIGY ROATE M L'REPSEEX I /ALREIGY ROATE2 M L'REPSEEX
	I /ADRIEL AUTO) L'REPAIR
	I /ADRIN/ INITA L'REFAIR
	I /ADROID/ INITION L'REPAIR
	1 /AIRSID/ INIT? " L_REFOREX
	I /AIRSIN/ INITC M L REPSEEK
177700 Flag. 1 indicates seeher activation.	1 /ADSIR/ MADI M L'REPMADI 1 /ADSIR/ MADI M L'REPMADI
	I /AIRSIN/ INTIC M L_REPORK
	1 /AIRSID/ DISH2 L REFSEEK
	I /AIRSID/ DISION L. REFSEEX
	1 /ALROIR/ ROATE2 L. REPSEEK
	I /ALPONOV ROTTONE L'REPONDER I /ROSAN/ AMERICS IN L'REPONNET
IPTC Flag. 1 bypeases first time thru path in subroutine AMERCS.	I /HCBAS/ AMERICS IN L'REPERANT I /HCBAS/ INITE IN L'REPERANT
INCATE Target in range gate flag. O-Not in	
gate, lein gate.	
119441 Seed for random number generator.	1 /DRUG/ SCLOBN L REFERRIT
	1 /DRUG/ SCLOBN L REPEART
	1 ACORE/ INITY H L'REFERMIT
	I ACOUST INILS IN FUSIONAL
	! /VCORE/ MODINE L REPREEK
	I MOORE/ TWICET L'REFTOT
IFOL folarisation of incident wave; 14,	I /MATRIL/ INITE # L'REFERANT

NOTES: "N" column indicates variable is modified. "T" column heading indicates type attribute.

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NCTED: "NP column indicates variable is audified.

<sup>&</sup>quot;T" column heading indicates type attribute.

AFFENDIX A - REFS Bt Cross-Reference/Glossary (Continued)

<b>Symbol</b>	Concription	T Common	Nout ine	L_File
		1 /MMM1/		LREPAIR
		I /AMMI/		LEGAIR
		I /APPENI/	INLEW W	LREALR
		I /APPENI/	BRILCH W	LREAD
13040		I /MMMI/		<b>L_MERIADIN</b>
		I /APPENI/		LREAD
		I /APPOIL/		LREADA
		1 /NOTE:/		
		1 /10/04/1/		
		1/4000/1/		r sawin
		/MM9/1/		LABAD
		1 /400/1/		LINEAD
		1 /100011/		
		I /MONEY		
نشار هجا	<b>7</b>			
		/APPLI		
		/APPENI/		LINGAL
		1 /400/1/		LIMAN
		1 /APPORT!/		
		1 /1001/		
		/NOW!!/		
	yeu.	/MM0/1/	AUTON	
		1 /100/1/	DUTT	LIMAD
		1 /100011/		
		1 /NOW!!/		
<b>CALL</b>		: /MES/ : /MES/		
	<b>y</b>			
BUCK		L /LPUGZ/		
<b>CUIN</b>		L NATURES!	Palls.	FIRESON
	Red in BITZ.			
Trans.	Flag. 7 implies colorent processing.			LREFSREE
		L APLAGE/		LINES
	Play. T enables multipath simulation.			LREPRO
		L /LPUAGZ/ L /LPUAGZ/		LREENN
		L /WWG2/		LREFSEEX
		1 /MULL		
W.M	criterion.	MALL	THE ACT	- THE SEEP
	Value of a for the a-out-of-a	1 /100.6/		1 DEPOSIT
	criterion.	/MALE/	THE PARTY	
-	Array containing name of the log file.			
-	retay containing mane of the log life.	/SIGAT/		LREPHAIN
		/SIGME/	78760	LREPMAIN
t comment	Flag. 1 implies annidirectional Jecoy			L REPROM
	antenno. Read in SVITZ.			
	Fig. ? enables plotting. Need in			L REPMAIN

<b>l</b> ymbol	Description	T	Common	Routine	L_File
	INIT2.	L	/LFLAG2/	MAIN	L REPMAI
			/LFUG2/		LREFSEE
APEAT	Flag. T sets ARG1 to 1.0 in subroutine DECOY1. Read in DNIT2.	L	/LFUAG2/	PAYLOD	LIREFEC
SC DIT	Flag. T implies scintillation. Read	L	/LFLAG2/	MAIN	L REFMAI
	in Dirta.		/LPLAG2/		L REPMAI
			/LFLAG2/		L REFSEE
CLSPC	Flag indicating model to be used			MPINIT M	
	(0-Grown model, 1-Fast empirical).		MEBLK4/		LREFEN
COE	<del>-</del> _ <del>-</del>		/AIRSIR/		L REFAIR
	3-Track, 4-Orop track.		/AIRSKR/		LREFAIR
			/AIRSKR/		LREFEC
		I	/AIRSKR/	INITS M	L REFSEE
				INT2	
		I	/AIRSKR/	PRINT2	LREFSEE
		I	/AIRSKR/	DEMOD2	L REFSEE
			/AIRSKR/		LREPSEE
		I	/AIRSIR/	DISH2	LREFSEE
		I	/AIRSKR/	DISHM	LREPSE
		I	/AIRSKR/	COMPVD	LREFSEE
			/AIRSKR/		L_REFSE
				LOCK2 M	
				MELOCK M	
				RCATE	
			/AIRSKR/		L_REFSE
	_		/AIRSKR/		LREPSE
DTT			/VCORE/		LREFEC
	also APPENDIX D.			inity m	
			•	SCINT2	
			/CORE/		LREFEM
				INIT2 M	_
		_	/CORE/		LREFSEE
		I	/VCORE/	MODPLX	L_REFSEE
			/VCORE/		L_REFSEE
			/VCORE/		LREPSEE
8	Rendon seed.		/DCOY/		LREFEC
14	The number of complex video segments	I	/CV/	COMPVD M	L_REPSEE
	in the early gate.	I	/CV/	M3CMPV M	L_REPSEE
			/CV/	ROTRAK	
NZ	Number of grid points in azimuth			ANTII M	
	field of view.			ANTI2 M	
				ANTWA 1	
				ANTINA 2	

NOTES: "F" column indicates variable is modified.

Pulse counter in print routine.

NCLTBG Starting index for sea clutter edge

NC

I /PRINT/ INITC M L'REPSEEK

I /PRINT/ PRINT2 M L REPSEEK
I /PRECV/ INITE M L REPENMIT

<sup>&</sup>quot;T" column heading indicates type attribute.

APPENDIX A - REFERM Cross-Reference/Glossary (Continued)

Symbol	Description	T	Common	Routine	L File
-	data to be sorted.	1	/PRECV/	COMPVD	L REPSEEK
		-	/PRECV/		LREFSEEK
NCLTEN	Last index for sea clutter edge data	-			LREPONNT
	to be sorted.	_	/PRECV/		LREFSEEK
			/PRECV/		LREFSEEK
NEWS	Mamber of integration steps per		INN	MADI	LREPHADI
	second.	-	INW		LREFAIR
MEL.	Mamber of grid points in elevation	_	/INTERP/		LREFSEEK
V	field of view.				LREFSEEK
- CERT	If more, let seed is random. If		/ROPR2/		LREFEMMT
~~~					LREFSEEK
HENCAT			/RGAT/		LREFSEEK
-	range gate.		/NGAT/		
	tode fore.		/IGAT/		
		_	/ROAT/		
		_		TACAD	LREPSEEX
		-			LREPSEEK
	Print interval in number of pulses.	_			LREFSEEK
	at me inestant in unmest of himsea.				LREFSEEK
	Method of these shows throughold	_	/PR DIT!		
WINE	Mamber of bins above threshold.	_	/RCOV		LREFSCEX
					LREFSEEK
	Ruise counter.		/PR DIT/		LREPSEEX
		_			LREPSEEK
M.	Mumber of records printed.		/PR DIT/		LREPSEEK
	- nat - mna - A namana kasak - at a				LREPSEEK
TIME	Total number of targets (active plus				LINEFECH
	pessive).		/SIRDN/		LREENIT
			/SIRDN/		LREPENKT
			/SRDN/		LREENIT
					LREPSEEK
		_	/900N/		LREFSCEX
				ROATE	_
		_		SCATE2	LREPSEEK
		_	/SIGON/		LREPSEEK
			/9100N/		LREFFOT
MICI	Pointer to show which target is the		/RCAT/		LREPSEEK
	nth target in the gate.		/RCAE/	KITROV	LREFSEEK
				MODPLX	
				MODING 3	LREPSEEK
		*	/ROAT/	DVICVO	LREPSEEK
		1	/NCAT/	ROATE M	LREPSOEK
<b>CIVK</b>			•		LREPSEEK
	edges to be sorted.			MICHIN	LREFSEEK
					LREPSEEK
		t	PRECY/	MITRGY N	L REPSEEK
					L REPSEEK
			· <del></del>		

AFPENDIX A - REFSIM Crcss-Reference/Glossary (Continued)

Symbol	Description	T	Common	Routine	L_File
			/PRECV/		L REFSEEK
			/PRECV/		L_REFSEEK
			/PRECV/		l_refseek
NATOEO	The number of complex video segments		/CV/	DOTPR	LREFSEEK
	in the range gate.	I	/CV/	COMPVD M	L REFSEEK
		Ī	/CV/	M3CMPV M	LREFSEEK
			/CV/		L REFSEEK
			/CV/		
CHEPAS	Plag. T-Shift register filled, F-Not		/MNLK/		L_REFSEEK
_	filled.		/MNLK/		L REPSEEK
P	Plot array.		/PRINT/		LREFAIR
			/PRINT/		L_REFSEEK
PASCON	Square root of the constant part of		•		L REPSEEK
	the two-way range equation.		/APCONS/		L_REFSEEK
			/APCONS/		LTREFSEEK
			/APCONS/		L REFSEEK
PCON	Pert of 2-way range equation:				LREFSEEK
	550.*300.*SKRPWR*XLMDA**2/PI4**3		/SKRENV/		LREFSEEK
					LREFSEEK
			/SKREW/		LREPSEEK
POPGAN	Pitch differential channel processing				LREPSEEK
	gain.				L REFSEEK
PERR	Seeker pitch error signal in degrees/				LREPAIR
	second.		/AIRSKR/		LREPAIR
			/AIRSKR/		L REPSEEK
			•		L REPSEEK
	manifestation and a manifestation		/AIRSKR/		LREPSEEK
PGATE			/INT/		L REFSEEK
	gate - leeding edge.)		/INT/		LREFSEEK
PGATEM	Prediction gate trailing edge in	K	/RGAT/	NGATE M	LTREFSEEK
<b>534 5</b>	microseconds.  Missile body roll angle in degrees.	<b>D</b>	/ARMROL/	MA TNI	T DESMATN
PHI	wreette pody tott midte tu dedtees.		/ARMROL/		L REPMAIN L REPAIR
			/ARMROL/		L REFAIR
			/ARMROL/		L REPAIR
				INITAM M	
			/ARMROL/		L REFSEEK
PINT	Pitch integrator output in degrees.		/AUTO/		L REFAIR
LIMI	rich mostant output in delices.	2	/AUTO/	AUTO3	LREFAIR
		n	/AUTO/	INTRAD M	L REPAIR
		r P	/AUTO/	TOTTIES IN	L REPAIR
		7	/AUTO/	INTO M	L REPSEEK
ot eter	Minimum pulse width to be reported as				L REFSEEK
rwitt	a separate slice in microseconds.		/PRECV/		L REFSEEK
ent etc	Polarization flag, 1=Vertical.				L REPENMIT
rue w	Omigrization flag. 1-vertical.		/MPBLK2/		L REFENANT
. والمراج والم	V-INI I WILLEI		/ TOLAL		P LEE BUALIT

APPENDIX A - REFSIM Cross-Reference/Glossary (Continued)

Symbol	Description	T	Common	Routine	L_File
PSB	Target pitch angle off boresight in	R	/SKR/	GLINT2 M	L REFENVMT
	degrees.	R	/SKR/	REFANG	L REFENVMT
	•		/SKR/	M3TRGV	LREFSEEK
		R	/SKR/	M3TRGV	LREFSEEK
			/SKR/		LREFSEEK
		R	/SKR/	MODPLX	LREFSEEK
		R	/SKR/	MODXM3	LREFSEEK
		R	/SKR/	TARGVD	LREFSEEK
		R	/SKR/	RGATE M	LREFSEEK
PSI	Missile yaw angle in degrees.	R	/AIRSKR/	Main	LREFMAIN
		R	/AIRSKR/	AUTO2	LREFAIR
		R	/AIRSKR/	AUTO3	LREFAIR
			/AIRSKR/		L_REFAIR
			/AIRSKR/		L_REFAIR
			/AIRSKR/		LREFAIR
					LREFAIR
					LREFAIR
					L_REFAIR
			/AIRSKR/		L_REFENVMT
	•		/AIRSKR/		LREFENVMT
	·		/AIRSKR/		L_REFSEEK
			/AIRSKR/		L REFSEEK
			/AIRSKR/		L_REFSEEK
			/AIRSKR/		L_REFSEEK
			/AIRSKR/		L REFSEEK
			/AIRSKR/		L REFSEEK
PSIB	Dish yaw angle relative to missile		/AIRSKR/		L REFAIR
	body in degrees.		/AIRSKR/		L REFAIR
			/AIRSKR/		LREFSEEK
DC TD	Var. hage games submub in decuses		/AIRSKR/		LREFSEEK
PSID	Yaw base servo output in degrees.		/AUTO/	AUTO2	L REFAIR
			/AUTO/ /AUTO/	AUTO3	LREFAIR
			•	AUTO4	LREFAIR
			/AUTO/		L REFAIR L REFAIR
			/AUTO/ /AUTO/		_
			/AUTO/		l refair L refseek
			/AUTO/		L REFSEEK
DC TMAY	Maximum azimuth angle stored in		/NOTO/ /INTERP/		L REFSEEK
LO TIMA	degrees.		/INTERP/		L REFSEEK
	uegrees.		/INTERP/		L REFSEEK
			/INTERP/		L REFSEEK
PS IM IN	Minimum azimuth angle stored in				L REFSEEK
'	degrees.				LREFSEEK
			/INTERP/		LREFSEEK
			/INTERP/		L REFSEEK
			, ,		

APPENDIX A - REFSIM Cross-Reference/Glossary (Continued)

Symbol	Description	T	Common	Routine	L_File
PSISPC	Specular angle in radians.	R	/MPATHI/	MLTPTH	L REFENVMT
PTCH	Previous value of body pitch in		/KINE/		LREFAIR
	radians.		/KINE/	INITHR M	LREFAIR
		R	/KINE/	INITMS M	L REFAIR
PULST	Leading edge of the complex video	R	/CV/		LREFSEEK
	slice in microseconds.	R	/CV/	M3CMPV M	LREFSEEK
PULSW	Pulse width of the complex video	R	/CV/	DOTPR	LREFSEEK
	slice in microseconds.	R	/CV/		LREFSEEK
		R	/CV/	M3CMPV M	LREFSEEK
		R	/CV/	RGTRAK	LREFSEEK
RO	Previous value of range in meters.		/ENVMT/		LREFENVMT
RALT	Rate altimeter output in meters.		/AUTO/		L_REFAIR
			/AUTO/		L_REFAIR
		R	/AUTO/	INITHR M	LREFAIR
			/AUTO/		LREFAIR
			/AUTO/		LREFSEEK
RANGE	Range from ship to missile in meters.				
				INITMS M	
			/SKRENV/		L REFECM
					L REFENVMT
					L REFENVMT
			/SKRENV/		L REFENVMT
			/SKRENV/		LREFENVMT
			/SKRENV/		LREFSEEK
			/SKRENV/		LREFSEEK
			/SKRENV/		L REFSEEK L REFSEEK
			/SKRENV/		L REFSEEK
			/SKRENV/		L REFSEEK
					L REFSEEK
RCOS	Cosine of a random phase angle (the		/CRNDSC/		L REFSEEK
ncus	same angle as RSIN).		/CRNDSC/		L REFSEEK
	Saint digite as ibin,		/CRNDSC/		L REFSEEK
			-		L REFSEEK
			/CRNDSC/		L REFSEEK
			/CRNDSC/		L REFSEEK
RDOTIM	Range gate velocity limit in		/PARAM/		L REFSEEK
	microseconds/second.		/PARAM/		L REFSEEK
RECEWR	Threat power level in the decoy in dbm.		/DCOY/		L_REFECM
REPPRB	Probability that the decoy will	R	/VDECO/	INITR M	L REFECM
	repeat a given pulse.		/VDECO/	PAYLOD	L REFECM
RF	Radar frequency in hertz.		/SCINT/		LREFECM
			/SCINT/		L REFENMT
			/SCINT/		L REFENVMT
			/SCINT/		L REFENUMT
	ه ۱۳۰۷ تا ۱۳۰۷ به ۱۳۰۱ تا ۱۳۰۰ تا به به به میشون می به میشون میشون میشون میشون میشون میشون میشون میشون میشون م		·		

APPENDIX A - REFSIM Cross-Reference/Glossary (Continued)

Symbol	Description	T	Common	Routine	L_File
		R	/SCINT/	INITS M	L REFSEEK
RGATE	Range gate leading edge in		/INT/	COMPVD	LREFSEEK
	microseconds. Equivalent to X(20).	R	/INT/		L REFSEEK
RGATEN	Range gate trailing edge in		/RGAT/		LREFSEEK
	microseconds.		,,		
RGATLN	Total range gate length in	R	/RGAT/	RGATE	L REFSEEK
	microseconds.				LREFSEEK
RHO	Mean-to-median ratio.		/DISTYP/		L REFENVMT
			/DISTYP/		L REFENVMT
			/DISTYP/		LREFENVMT
			/DISTYP/		L REFENVMT
			/DISTYP/		LREFENVMT
					LREFENVMT
RICEM	Mean-to-median ratio for Rice		/BARAS/		L REFENUMT
	distribution.		/BARAS/		L REFENVMT
RMSWHT	RMS wave height in meters.		/MPATHI/		L REFENMT
			/MPATHI/		L REFSEEK
RMT	Range from missile to target in		/ARMKIN/		L REFMAIN
	meters.		/ARMKIN/		L REFAIR
					L REFAIR
			/ARMKIN/		L REFAIR
RNCO	Correlation filter coefficient.		/RNDPR2/		L REFENVMT
.400	Wilchard Eller Couling		/RNDPR2/		LREFENVMT
			/RNDPR2/		LREFENVMT
			/RNDPR2/		L REFENVMT
			/RNDPR2/		L REFENVMT
			/RNDPR/		L REFENVMT
			/RNDPR2/		L REFENVMT
			/RNDPR/		L REFENVMT
					L REFENVMT
DIVOM	Correlation filter coefficients.		/BARAS/		L REFENVMT
RECOM	Witeration litter coefficients.		/BARAS/		L REFENOMT
			/BARAS/		L REFENVMT
DMCCCC	Correlation filter coefficients.		/BARAS/		L REFENVMT
KINCOQ	Correlation fifter coefficients.				L REFENOMT
			/Baras/ /Baras/		L REFENVMT
nnox.cc	Demontor DCDO delay acceleration in				L REFECM
RPLACE	Repeater RGPO delay acceleration in		/VDECO/		
DDC414	microseconds/second**2.		/VDECO/	RGPO	LREFECM
KIPLMAX	Maximum value of RGPO repeater delay		/VDECO/		L REFECM
200421	in microseconds.		/VDECO/	RGPO	L REFECM
KHUMIN	Minimum value of RGPO repeater delay		/VDECO/		L REFECM
	in microseconds.		/VDECO/	RGPO	LREFECM
RPDVEL	Repeater RGPO delay velocity in		/VDECO/		L REFECM
	microseconds/second.		\NDECO\	RGPO	LREFECM
KPLWLL	Repeater dwell time before RGPO sweep				LREFECM
	in seconds.	ĸ	/VDECO/	RGPO	LREFECM

NOTES: "M" column indicates variable is modified.
"T" column heading indicates type attribute.

APPENDIX A - REFSIM Cross-Reference/Glossary (Continued)

Symbol	Description	T	Common	Routine	L_File
RPPINT	Interval between pulses of a	R	/VDECO/	INITR M	L REFECM
	multipulse decoy in microseconds.		/VDECO/	DLPLSE	L REFECM
RPPNUM	Number of pulses in the transmitted		/VDECO/		L REFECM
	group of a multipulse decoy.		/VDECO/	DLPLSE	L REFECM
RPSTTM	Starting time of latest repeater		/VDECO/		L REFECM
	sweep in seconds.		/VDECO/		L REFECM
RPTORT.	Decoy repeater turnaround delay in		/VDECO/		L REFECM
	microseconds.		/VDECO/		L REFECM
			/VDECO/		L REFSEEK
			/VDECO/	MOD2	L REFSEEK
			/VDECO/	RGATE	L REFSEEK
תואדקק	Decoy input power threshold in dbm.		/VDECO/		L REFECM
	scool subge bound and annual and annual		/VDECO/	PAYLOD	L REFECM
POTOR	Repeater recovery time in		/VDECO/		L REFECM
REIRES	microseconds.	•	/ 10000/	114111 14	D_KIZ DOM
RSIN	Sine of a random phase angle (the	R	/CRNDSC/	M3TRGV	L REFSEEK
	same angle as RCOS).	R	/CRNDSC/	M3TRGV	LREFSEEK
	-	R	/CRNDSC/	MODPLX	l refseek
		R	/CRNDSC/	MODXM3 M	L REFSEEK
		R	/CRNDSC/	RNDSC M	LREFSEEK
		R	/CRNDSC/	TARGVD	LREFSEEK
RUNTIM	Maximum duration of the run in	R	/PARAM/	MAIN	LREFMAIN
	seconds.	R	/PARAM/	MAIN	L REFMAIN
		R	/PARAM/	INIT2 M	LREFSEEK
		R	/PARAM/ /PARAM/	INITC M	LREFSEEK
S	Table of sines of angles from 0 to 90	R	/SINES/	RNDSCI M	
<b>C1</b>	degrees. Table of sines of angles from 0 to 90	В	/CTMPC/	RNDSC	I DESCREA
S1	degrees.	K	/ 211463/	RALISC	L_REFSEEK
SARRAY	Array of bins of the search gate.	R	/RCOM/	PGATE2 M	L REFSEEK
	•	R	/RCOM/	RGATE2 M	LREFSEEK
			/RCOM/		L REFSEEK
SCINT	Amplitude scintillation array.		/SCINT/	AMERCS	L REFENVMT
	•		/SCINT/	DECHO	L REFENOMT
			/SCINT/		L REFENVMT
			/SCINT/	EMERCS	LREFENVMT
	,		/SCINT/	MIXPR	L REFENMIT
	•		/SCINT/	MNTOMD	L REFENIMT
			/SCINT/		L REFENVMT
			/SCINT/	RAPR 3	L REFENMT
			/SCINT/	RAPR4	L REFENVMT
			/SCINT/	RAPR5	L REFENVMT
			/SCINT/	RCO	L REFENVMT
			/SCINT/		L REFENVMT
			/SCINT/		L REFENVMT
			/SCINT/	TARDEN	L REFENVMT
			· · · · · · · · · · · · · · · · · · ·		T VET CHANGE

APPENDIX A - REFSIM Cross-Reference/Glossary (Continued)

Symbol	Description	T	Common	Routine	L_File
			/SCINT/		L REPENMT
					LREFENIMT
			/SCINT/		LREFENVMT
			/SCINT/		LREFENMIT
			/SCINT/		LTREFENVMT
			/SCINT/		L_REFENVMT
			/SCINT/		L_REPENVMT
			/SCINT/		LREPENMIT
SEACL	Sea clutter array.				LREFENMIT
				CLINIF	
			/DISTYP/		LREFENVMT
					LREFENIMT
					LREFENIMI
SEACON			•		LREFENIMI
			/MPBLK4/		L_REFENIMT
SEADIE	Sea dielectric constant.				L_REFENVMT
			•	MPMAIN	
SGATE	Equivalenced to X(20). (search gate)				LREFSEEK
					L REFSEEK
		R	/INT/	SGATE2	L_REFSEEK
SHFTRG	Shift register.	I	/MNLK/	MNLCKI M	l_refseek
		Ι	/MENLK/	MNLOCK M	L REFSEEK
SIGMB	Median RCS at bow in meters**2.	R	/Baras/	AMERCS	L REFENUMT
		R	/BARAS/	INITE M	L_referent
SIGME	Current value of median RCS in		/MCSAS/		LREFENVMT
	meters**2.	R	/MCSAS/	DECHO	LREFENMIT
			/MCSAS/		L REFENMT
			/MCSAS/		L_REFENMIT
			/MCSAS/		L_REFENVMT
			/MCSAS/		LREFENVMT
		R	/MCSAS/	RAPR4	L REFENMET
			/MCSAS/		LREFENVMT
		R	/MCSAS/	INITE M	L REFENUMT
SIGMP		R	/MCSAS/	AMERCS	L REFENUMT
	meters**2.		/MCSAS/	DECHO	LREFENVMT
		R	/MCSAS/	INITE M	LREFENIMT
SIGMS	Median RCS at stern in meters**2.	R	/MCSAS/	AMERCS	L REFENVMT
		R	/MCSAS/	DECHO	L_REFENVMT
		R	/MCSAS/	INITE M	L_REFENVMT
SIGP	Sight-line angle to target in pitch		/SKRENV/		LREFMAIN
	in degrees.		/SKRENV/		L_REFAIR
			/SKRENV/		L_REFAIR
				INITAM M	
		R	/SKRENV/	PAYLOD	LREFECM
		R	/SKRENV/	TARANG	LREFENVMT
			/SKRENV/		

APPENDIX A - REFSIM Cross-Reference/Glossary (Continued)

Symbol	Description	T	Common	Routine	L_File
		R	/SKRENV/	PRINT2	L REFSEEK
			/SKRENV/		l refseek
			/SKRENV/		L REFSEEK
			/SKRENV/		L REFSEEK
SIGPO	Previous value of pitch sight-line		/SCINT/		L REFENIMT
	angle in degrees.		/SCINT/		L REFENMT
SIGPSI	Previous value of PSISPC; used in				L REFENANT
	SIGTST.				L REPENMIT
SIGY	Sight-line angle to target in yaw in		/SKRENV/		L REFMAIN
	degrees.				L REFAIR
			/SIRENV/		LREFAIR
		R	/SKRENV/	INITAM M	LREFAIR
		R	/SKRENV/	PAYLOD	L REFECM
		R	/SKRENV/	TARANG	LREFENMI
		R	/SKRENV/	INITE M	LREFENMI
		R	/SKRENV/	GLINT2 M	L REFENMI
			/SIRENV/		LREFENMIT
		R	/SKRENV/	WINCE	LREFENIMT
		R	/SIRENV/	PRINT2	L REFSEEK
		R	/SIRENV/	MOD2 M	l repseek
		R	/SKRENV/	SEEK4	l refseek
			/SKREW/		L REFSEEK
SKRAWR	Threat seeker transmit power in watts				L REFECM
	•••••		/SIRENV/		LREFSEEK
			/SKRENV/		l refseek
			/SKRENV/		l refseek
SL	Ship length in meters.	R	/ENVMT/	CENTER	LREFENMT
SPICH	Previous value of sine of pitch.	R	/KINE/	KINE2 M	L REFAIR
	•	R	/KINE/	INITHR M	LREFAIR
		R	/KINE/	INITMS M	l repair
SSCAN	Sine of beam scanner angle.	R	/SCAN/	MLTPTH	l refenant
	_	R	/SCAN/	SCAN2 M	l_refseek
		R	/SCAN/	DEMOD2	l_refseek
		R	/SCAN/	MOD2	l refseek
		R	/SCAN/	MODPLX	l_refseek
		R	/SCAN/	TARGVD	l_refseek
STGWTH	Split track gate width in		/DCOY/	DLPLSE	LREFECM
	microseconds.	R	/DCOY/	INIT2 M	LREFSEEK
		R	/DCOY/	COMPVD	l_refseek
		R	/DCOY/	M3CMPV	l_repseek
		R	/DCOY/	RGATE 2	l_refseek
			/DCOY/		l_refseek
			/DCOY/		LREFSEEK
SUFFIX	Suffix to indicate model type:		/PRINT/		L_REFMAIN
	".C"=Cosro. ".M"=Mono.		/PRINT/		L_REFMAIN
		I	/PRINT/	DUMPIT	LREFAIR

APPENDIX A - REFSIM Cross-Reference/Glossary (Continued)

Symbol .	Description	Ŧ	Common	Routine	L_Pile
			/PRINT/	INIT2	L REFSEEK
			/PR DIT/	PRINT2	LREPSEEK
SUM	Cumulative change in aspect angle in				LREFERMIT
	degrees.		/DISTYP/		LREPENMT
		R	/DISTYP/	GLINT2 M	LREFERENT
SUMI	Imaginary part of antenna gain sum	R	/INTOUT/	ANTII	LREFSEEK
	channel.		/INTOUT/		L REPSEEK
			/INTOUT/		LREFSEEK
					l repseek
					LREFSEEK
		R	/INTOUT/	ANTINA2 M	L REPSEEK
		R	/INTOUT/	M3TRGV	LREFSEEK
		R	/INTOUT/	M3TRGV	L REPSEEK
		R	/INTOUT/	MODMM3	L REPSEEK
SUMPAI	Sum pattern (imaginary part).	I	/PATRN2/	ANTI2	L REPSEEK
		I	/PATRN2/	ANTNA 2	L REFSEEK
SUMPAR	Sum pattern (real part).	I	/PATRN1/	ANTI2	L REFSEEK
	• • • • • • • • • • • • • • • • • • • •		/PATRN1/		L REPSEEK
SUMPAT	Sum antenna pattern array.		/PATTROL/		L REFSEEK
			/PATTRN/		L REFSEEK
SUMR	Real part of antenna gain sum channel				L REFSEEK
			/INTOUT/		L REFSEEK
			/INTOUT/		L REFSEEK
					L REFSEEK
					LREPSEEK
					L REPSEEK
			/INTOUT/		L REFSEEK
			/INTOUT/		L REFSEEK
			/INTOUT/		L REFSEEK
SUMPRR	Equivalenced to "SUMPAT".		/PATSYM/		L REPSEEK
	Equivalenced to "CVIDEO".		/CV/	DOTPR	L REFSEEK
SUPT	Sum pattern.		/PATSYN/		L REFSEEK
SW	Ship width in meters.		/ENMT/		L REPENMIT
SYAW	Previous value of sine of yaw.		/KINE/		L REFAIR
Juli	revious value of sine of jaw.	2	/KINE/	INITED M	LREFAIR
		0	/KINE/	INTERNA	LREFAIR
T	T array. Contains time constants,		/PARAM/	MAIN	L REFMAIN
•	etc. See also APPENDIX D.		/PARAM/	MAIN	LREFMAIN
	em: off gran Wilmory D.		/PARAM/	ACC 2	L REFSEEK
			/PARAM/		L REFSEEK
			/PARAM/		LREFSEEK
			/PARAM/	DEMOD2	LREFSEEK
			/PARAM/		L REFSEEK
				DOTPR	
			/PARAM/		LREPSEEK
			•		L REFSEEK
		K	/PARAM/	LOCK2	LREFSEEK

AFPENDIX A - REFSIM Cross-Reference/Glossary (Continued)

Symbol	Description	T	Common	Routine	L_File
TAGC	Noise loop filter time constant.		/AGC/	AGC2	L REFSEEK
	• · • • · · · · · · · · · · · · · · · ·		/NOC/	-	LREFSEEK
	Angle noise array.		/GLD/T/		LREPONNT
TARON	Angle noise array.		/GLDVT/		L REFERENT
TAREL	Angle noise array.		/GLINT/	ANGVA CRITRA	LREFEMANT
			/GLDAT/	REFAIG	LREFERENT
			/GLIMT/		LREFERNIT
TAREN	Angle noise array.		/GLDMT/	ANGVA	LREFERNIT
	white inter eccel.		/GLDAT/	CRITRA	LREFERENT
			/GLDAT/	REPANG	LREFERMIT
			/GLDVT/	TAREFL M	
TADDAY	Array of bins of the track gate.		/RCOV	RGATE2	L REFSEEK
maner	Attended to the state of the st		/RCON/		LREFSEEK
TREGIN	Target echo leading edge in		/RGAT/	BON	L REPRON
	microseconds. Duplicate of TGTDLY.		/RGAT/	M3TRGV	L REFSEEK
			/RGAT/	MITRGV	LREFSEEK
			/RGAT/	MODPLX	LREFSEEK
			/RGAT/	MODIM13	LREFSEEK
		R	/RGAT/	TARGVO	L REFSEEK
			/RGAT/	RGATE H	L REPSEEK
TOPLOY	Target deployment time in seconds.		/VCORE/	INITP M	LREFECH
	See also APPENDIX D.		/VCORE/	INITE	LREFERMIT
		R	/VCORE/	INIT2 M	LREPSEEK
		R	/VCORE/	CHAFF M	LREFTOT
		R	/VCORE/	DECOY N	LREFTOT
		R	/VCORE/	TARGET	LREFICE
TENO	Target echo trailing edge in	R	/RGAT/	<b>N3TRGV</b>	LREPSEEK
	microseconds.		/RCAT/	M3TRGV	LREPSEEK
			/RGAT/	MODPLX	LREFSEEK
			/RCAT/	MODRE13	LREPSEEK
			/RCAT/	TARGVO	LREFSEEK
			/RGAT/	RGATE M	
TGATE	Equivalenced to X(21). (track gate)		/INT/	RGATE2 M	L REPSEEK
			/INT/	TCATE 2	LREPSEEK
TGIMP	Target return level computed in		/SIRENY/		
	missile receiver in volts.				L REPSEEK
					LREPSEEK
			•		LREFSEEK
					LREFSEEK
					l refseek L refseek
					L REPSEEK
					L REPSEEK
بيديا فيلذكك	Target turning rate in degrees/second				
IGIDUL	rather returns race in deliteral second				L REFSEEK
			/ <del>224/2014</del> /	14115 1	

NOTES: "M" column indicates variable is modified.

<sup>&</sup>quot;T" column heading indicates type attribute.

APPENDIX A - REFSIM Cross-Reference/Glossary (Continued)

Symbol Description	Ţ	Common	Rout ine	L_File
		/SIRDN/		L REFEER
		/SIRDN/		L'REFFOT L'REFFOT
TGTBRG Target bearing COM from positive		/SIRDN/		LREFAIR
X-axis in degrees.				LREFAIR
varis in odiase.		/SIRDN/		LREFECT
		/SIRDN/		LREPONNT
		/SIRDN/		LREPONIT
		/SIRDN/		LREFSEEK
		/SIRDN/		LREFSEEK
			ABOARD H	
		/SIRDN/		LREFTOT
		/SIRDN/		LREFTOT
TOTDLY Leading edge of target pulse received				
by seeker in microseconds.		/SIRDN/		L REFSEEK
•		/SIRDN/		LREPSEEX
		/SIRDN/		LREFSEEK
		/SIRDN/		LREFSEEK
		/SIRDIV/	-	LREFSEEX
		/SIRDN/		LREFSEEK
TOTRCS RCS in square meters or ERP in watts.				LREPHADI
•	R	/SIRDN/	MADN M	LREMADI
	R	/SIRDN/	BCN	LREFECH
	R	/SIRDN/	PAYLOD H	
		/SIRDN/		LREPONNT
		/SIRDN/		LREPONT
		/SIRDN/		LREPONT
		/STRON/		LREPENNIT
		/SIRDN/		LREFERMI
		/SIRDN/		LREPSEEK
		/SIRDN/		LREPSEEK
		/SIRDIV/		LREPSEEK
		/SIRDN/		LREPSEEK
		/SIRDN/		LREPSEEX
		/SIRDN/		LREPSEEK
		/SIREN/		LREPSEEK
		/SREW/		LREPSEEK
COMPANY AND AND ADDRESS OF THE COMPANY AND ADDRE		/SIRDN/		L REPSEEK
TOTRAN Width of target pulse received by		/SIRDN/		LREPSON
seeker in microseconds.				LREPSEEK
				L REPSEEK L REPSEEK
		/SIRDN/		L REPSEEK
		/SIRDN/		LREPSEEK
TCTTYP O-Passive; 1-Active; 2-Sea clutter.		/SIRDN/		L REPSEEK
tatite A.temptael T.mpraael C.nem CINCLE!		/SIGRENV/		L REPSEEK
		, 57476777/		- ner jeen

APPENDIX A - REFSIM Cross-Reference/Glossary (Continued)

Symbol Description	T Common Routine L_File
TOTAL Target velocity in knots.	R /SIRGIN/ TARGNO L REFSEEK R /SIRGIN/ KINE4 L REFAIR
total tatles serocity in ence:	R /SIREN/ LHITM N L'REFAIR
	R /SIRBN/ INITE L'REPONNT
	R /SINDA/ INITE M L'REFSEEK
	a /signeda/ inite in l'reposex
	R /SIRGIN/ DECOY L_REPROT
	A /SIREAN/ SHIP L_REFTOT
TOTICO Target position on X-axis in meters.	R /SIDEN/ NADI L'REPNADI
	R /SIRBN/ NADI L REPNADI
	R /SIRBN/ NADI L'REPNADI
	R /SIRBN/ KDIE4 L REPAIR
	R /SIRBN/ INITIM M L'REFAIR R /SIRBN/ INANG L'REFENNT
	R /SIRSH/ LHITE L'REFERNIT
	R /SIRBN/ COTTER H L'REPONT
	R /SIREN/ GLENT? L'REFENNT
	R /SIRROW/ WINCE L'REFERNIT
	R /SIREN/ INITE H L'REFSEEK
	R /SIRDN/ INITC H L'REPSEEK
	R /SIRGN/ INITS L'REFSCEX
	R /SIREN/ LITY H L_REFSEEK
	R /SIRBN/ PRDIT2 L REPSERK
	R /SIREDA/ HODE LIREPSEEK
	R /SIREN/ ROLTE L REPSEEX
	R /SIRSIN/ ADOMO H LINEFUT
	R /SIRBN/ CIMPP M L REPTOT
	R /SIRDAY DECOY M L'REPTOT
TOTYCO Target position on Y-axis in meters.	R /SIREN/ NADI L REPNADI
totico inter postcion on 1-mas in media.	R /SIRBN/ KINE4 L REFAIR
	R /SIREN/ INITM H L'REFAIR
	A /SIRDN/ INITE L'REPONT
	R /SWEEN/ CONTER H L REPONNT
	R /SIRBN/ GLDIT2 L REPEART
	R /SIRDN/ WINCE LIREFERNT
	R /SIRGIN/ INITS M L_REPSEEK
	R /SIRROW/ INITC M L REPSEEK
	R /SIRBOY INTO M L REPSEEK
	R /SIRSOV/ PRINT2 L REPSEEK
	R /SIREN/ MOD2 L REPSEEK
	R /SIRBN/ ROATE L REPSEEK
	R /SIREN/ MOARD H L'REPTOT R /SIREN/ CHAPP H L'REPTOT
	R /SIRBN/ DECOY H L'REFTUT
	R /SIRDIN/ SHIP H L REFTCT
	TO STATE OF

AFFEREIX A - REFERI Cross-Reference/Glossary (Continued)

Symbol	Description	7	Common	Rout ine	L_File
TOTZCO	Target position on 2-mis in meters.	R	/SIRDN/	IMITE	LREFERNT
			/SIDDN/		L_KELEWAL
			/SOON/		F_KGLOWIL
			/SIRDN/		LREPSEEX
			/SIGON/		F_JEELEDEK
			/SIRDN/		L_DEPEEDE
			/SPON/		LEARTSCEX
			<b>/SISTEM/</b>		F_JKELDCEK
				ABOARD N	
			/SIDON/		LINEFFOT
			/SIDDN/		F BELLEGI
THEO	Aspect angle where depression starts		/BANS/		F KELDWILL
	In degrees.		/BANS/		LINGSMALL
THEW	Maximum elevation angle stored in		/DATES!		LREFEREN
	degrees.		/INTERP/	_	LRESCEN
			/INTERP/		LREFSEEK
			/INTERP/		LREPSEEK
THER	Minimum elevation angle stored in		/INTERP/		LREPSEEK
	depress.		/INTERP/		LREPSEEK
			/INTER/		LREPSEEK
	A.A		/INTER/		LREFSEEX
THET	Azimuth argument for antenna		<b>LIMIZAN</b>		LREFEREN
	interpolation routine in degrees.		<b>NASAN</b>		LAPSON
					LINEPSCEX
	though displaced man and a to				LREPSEEK
1727	through pitch lead gyro angle in		INV	AUTO4	L REPAIR
	degrees.		INN	DUMPIT	
			/NW/	R PATIKI	LREPSEEK
71-01	Annia notes acces		/CLDML/	REPAIG N	LREPERMIT
TIMEL	Angle noise acray. Angle noise acray.		/CLIME/	REPAIL N	LREDMIT
	Constant associated with update test				L REPEARIT
1000	in SICIST.		/MOUNE/		LREPONNT
THE	Pitch base servo output in degrees.		/AUTO/	AUTO2	LREPAIR
1415	tiren come secto ourbor in selices.		/AUTO/	AUTO3	LREFAIR
			/ AUTO/	AUTOI	LREPAIR
			/AUTO/	INITM N	
			/AUTO/		LREFAIR
			/AUTO/		LREPAIR
		-	/AUTO/		LREPSEEK
			/AUTY/		LREPSOEK
TWIG	Missile pitch angle in degrees.		/AIRSIN/		LREPMAIN
1414	mente brown milite to and real		/ADISHR/		LREPAIR
			/ADRSITE/		LREPAIR
			/AIRSIGN		LREPAIR
			/AIRSKR/		LREPAIR
-	والمتالة المناورة والمناورة والمناور	**			

AFFENDIX A - REFERM Cross-Reference/Glossary (Continued)

Symbol	Description	Ţ	Common	Routine	L_File
			/AIRSKR/		L_REFAIR
					M L REFAIR
					M L REFAIR
					M L REPAIR
			/AIRSKR/		LREFENMT
			/AJRSKR/		LREFENMT
			/AIRSKR/ /AIRSKR/		LREFENMT
			/ADRSNR/		m l'repseek m l'repseek
			/AURSIR/		L REFSEEK
			/AIRSIR/		L REFSEEK
			/AURSKR/		L REFSEEK
			/AIRSKR/		L REPSEEK
THEFL	Yow lead gyro angle in degrees.			AUTO2	LREFAIR
	the term y/to digital in adjection		/AUTO/	AUTO3	LREFAIR
			/AUTO/	AUTO4	L REPAIR
			/AUTO/	DUMPIT	LREFAIR
			/AUTO/		M L REFAIR
		R	/AUTO/		M L REPAIR
		R	/AUTO/	INITMS	M L REPAIR
		R	/AUTO/	INT2	H L REPSEEK
		R	/AUTO/	INT4	M L REFSEEK
		R	/AUTO/	PRINT2	L_REFSEEK
TIME	Accumulated run time in seconds.		/ASE/	MAIN	L REFMAIN
			/ASE/	MAIN	L REPMAIN
			/ASE/		M L REPMAIN
			/ASE/		M L REFAIR
			/ASE/	SWITCH	L REPAIR
			/ASE/	RGPO	LREFECM
			/ASE/	TARANG	LREFERMIT
			/ASE/	BPRPR	LREPENMT
			/ASE/	CRITER	L referent L referent
			/ASE/ /ASE/	GLINT2	L REFENMT
			/ASE/	REFANG	L REPENMT
			/ASE/	MLTPTH	L REFENANT
			/ASE/		I REPSEEK
			/ASE/		I REPSEEK
			/ASE/	DECOY	LREFTCT
			/ASE/	TARGET	L REFTCT
TIMED	Previous value of time in seconds.		/9C DVT/		M L'REFENVMT
			/9C DVT/		LREFENMT
			/SCINT/		I L'REFENVMT
TRATIO	Threat antenna gain ratio.		•		H L'REPENVMT
TRIM	Cravity offset in degrees.	R	/CTUK\	AUTO3	LREFAIR
B FT MET	desiry stract in control	• • •	, ,		

NOTES: "M" column indicates variable is modified.

<sup>&</sup>quot;T" column heading indicates type attribute.

AFFENCIX A - REFSB4 Cross-Reference/Glossary (Continued)

Symbol	Description	T	Common	Routine	L_File
TRMIX	Percent of major aspect density type in mixed regions.	R R R		MEXER M RAPRS SCLOEN M	L REPAIR L'REPENNT L'REPENNT L'REPENNT
TVID	Time of arrival of the complex video signal edge (microseconds).	RRRRRR	/PRECV/ /PRECV/ /PRECV/ /PRECV/ /PRECV/	COMPVD M3CMPV M3TRGV M M3TRGV M MODPLX M MDDM3 M	L'REPORMT L'REPOEEX L'REPOEEX L'REPOEEX L'REPOEEX L'REPOEEX L'REPOEEX
TWITHIR	Decoy TMT output in wetts.	R	/DCOY/	PAYLOD	L REFECH L REFSEEK
USPM	Two-way signal travel time in microseconds/meter.	RRRR	/CONST/ /CONST/ /CONST/ /CONST/	INITR	L'REFECK L'REFECK L'REFECK L'REFECK L'REFECK
VDQAZ	Real array equivalent to "CVDOAZ", azimuth difference video.		/CV/		LREFSEEK
VDOEL		R	/CV/	N3CMPV H	L_REPSEEK
VEL	Missile velocity vector in meters/ second.	RRRRRRR	/KINE/ /KINE/ /KINE/ /KINE/ /KINE/ /KINE/ /KINE/ /KINE/	MISS INITE INIT2 M	L REPNADI L REPAIR L REPAIR L REPAIR L REPAIR L REPAIR L REPONNT L REPONNT L REPSEEK
VID	Real array equivalent to "CVID", complex video sum "deltas".	RRRFRR	/KINE/ /PRBCV/ /PRBCV/ /PRBCV/ /PRBCV/ /PRBCV/	COMPVD M M3CMPV M M3TRGV M M3TRGV M MODPLX M MODRM3 M	L REPSEEK L REPSEEK L REPSEEK L REPSEEK L REPSEEK L REPSEEK L REPSEEK
VIDA VIDAZ	Equivalenced to "CVDOA2". Real array equivalent to "CVIDA2", azimuth difference video.	RRRRR	/CV/ /CV/ /PRECV/ /PRECV/	RCTRAK M3SATV M M3CMPV M M3TRGV M M3TRGV M	L REPSEEK L REPSEEK L REPSEEK L REPSEEK L REPSEEK L REPSEEK

APPENDIX A - REFSIM Cross-Reference/Glossary (Continued)

Symbol .	Description	T	Common	Routine	L_File
VIDE	Equivalenced to "CVDOEL".		/CV/		L REFSEEK
AI DEL	Real array equivalent to "CVIDEL",		/PRBCV/		LREFSEEK
	elevation difference video.		/PRECV/		LTREFSEEK
			/PRECV/		L REFSEEK
			/PRECV/		LREFSEEK
VI DEO	Peak envelope of the composite video		/NGC/	AGC2	LTREFSEEK
	signal in volts.		/NGC/		LREFSEEK
			/NGC/	PRINT2	LTREFSEEK
			/NGC/	DEMOD2	LTREFSEEK
			/CV/		LREFSEEK
			/CV/		L_REFSEEK
			/NGC/	LOCK2	l_refseek
			/NGC/	MILOCK	L_REFSEEK
			/NGC/		LREFSEEK
			/NGC/		L_REFSEEK
VI DOC2	Square of the video seturation		/CV/	M36ATV	L REFSEEK
	amplitude (magnitude).		/CV/		LREFSEEK
VIDS	Equivalenced to "CVIDEO".		/CV/	M35ATV M	LREFSEEK
VND	AGC noise voltage in volts.		/NGC/	AGC 2	LREFSEEK
			/NOC/		LTREFSEEK
VOUT	Log to the base 10 of the ACC signal		/NGC/	ACC2 M	LTREFSEEK
	in volts.		/NGC/	PRIMT2	LREFSEEK
VTHESH	Detection threshold in volts.		/NOILK/		LREFSEEK
			/HOILK/	MOLOCK	LTREFSEEK
MAVLEN	Radar wavelength in meters.				LREFENMI
			/HEBLK2/		LREFERMI
HAVIPPS	AMS wave height in meters.		-		LREPENMI
			/MEBLKS/		LREFERMIT
MILLO	Weight loss in kilograms/second.		/APM/	AERO4	LREPAIR
			/APH/	DUMPIT	l_refair
			/ARM/		L_REFAIR
			/ARN/		LREFSEEK
MX	X component of wind in knots.		/DCOY/		L_REPSEEK
			/DCOY/	CHAPF	LREFTCT
			/DCOY/	DECOY	LREFICT
MÄ	Y component of wind in knots.	R	/DCOY/		L_REPSEEK
			/DCOY/	CHAPP	LREFTCT
			/DCOY/	DECOY	LREFTCT
X	X integrator array. See		/INT/	DLPLSE	LTREFECM
	also APPENDIX D.		/INT/	SCLDEN	LREPENMIT
			/INT/		LREFENMI
			/INT/	GLINT2	LREFENMI
			/INT/	repang	L_REPENMIT
			/INT/	MLTPTH	LREPENMT
			/INT/	ACC 2	LREFSEEK
			/INT/	SCAN2 M	LREFSEEK

NOTES: "M" column indicates variable is modified.

<sup>&</sup>quot;T" column heading indicates type attribute.

APPENDIX A - REFSIM Cross-Reference/Glossary (Continued)

Symbol	Description	T	Common	Routine	L_File
		R	/INT/	INITC M	L REFSEEK
		R	/INT/	INITS M	LREFSEEK
		R	/INT/	INT2 M	LREFSEEK
		R	/INT/	PRINT2	LREFSEEK
		R	/INT/	DEMOD2	LREFSEEK
		R	/INT/	DOTPR M	LREFSEEK
		R	/INT/	DISH2	LREFSEEK
			/INT/	DISHM M	LREFSEEK
		R	/INT/	MOD2	L REFSEEK
		R	/INT/	LOCK2 M	LREFSEEK
			/INT/	MNLOCK	L REFSEEK
			/INT/	RGATE	L REFSEEK
		R	/INT/	RGATE2 M	LREFSEEK
			/INT/	RGTRAK M	LREFSEEK
XIMAG	Imaginary part of the multipath			MLTPTH M	L REFENVMT
	factor.		/MPATHI/		L REFSEEK
			/MPATHI/		LREFSEEK
XI.	Lower limits for X array integrators.		•	RGATE2	L REFSEEK
XLMDA	Wavelength in meters.		/SKRENV/		L REFENIMT
			/SKRENV/		L REFSEEK
XLMDA2	Wavelength**2 in meters**2.		/SKRENV/		L REFSEEK
·			/SKRENV/		L REFSEEK
XLS	Lower limits for X array integrators		/INT/		L REFSEEK
	in search mode.		/INT/		L REFSEEK
			/INT/	INT2	L REFSEEK
			/INT/	RGTRAK	L REFSEEK
XLT	Lower limits for X array integrators		/INT/		L REFSEEK
	in terminal mode.		/INT/		L REFSEEK
			/INT/	INT2	LREFSEEK
X94	Missile X position in meters.		/ASE/	MAIN	L REFMAIN
<i>,</i>	industry in position in most of		/ASE/	MAIN	L REFMAIN
			/ASE/	MAIN	LREFMAIN
			/ASE/	KINE4	L REFAIR
			/ASE/	DUMPIT	L REFAIR
			/ASE/		L REFAIR
			/ASE/	INITHR	L REFAIR
			/ASE/	INITMS	L REFAIR
			/ASE/	TARANG	L REFENMT
			/ASE/	INITE	L REFENANT
			/ASE/	GLINT2	L REFENMET
			/ASE/	WTACE	L REFENVMT
			/ASE/		L REFSEEK
			/ASE/	INITS	L REFSEEK
			/ASE/		L REFSEEK
			/ASE/		L REFSEEK
			/ASE/	PRINT2	L REFSEEK
			/ N3E/	EL TIAT S	L_REFOLEN

APPENDIX A - REFSIM Cross-Reference/Glossary (Continued)

Symbol	Description	T	Common	Routine	L_File
			/ASE/	MOD2	L_REFSEEK
			/ASE/	RGATE	LREFSEEK
XMEAN	Rayleigh mean time between emitter pulses in microseconds.	R	/DCOY/	INITR M	LREFECM
XMT	X distance from missile to target in	R	/ARMKIN/	MAIN	L REFMAIN
	meters.		/ARMKIN/		L REFAIR
					L REFAIR
			/ARMKIN/		L REFAIR
XREAL	Real part of the multipath factor.				LREFENVMT
			/MPATHI/		L REFSEEK
			/MPATHI/		L REFSEEK
XU	Upper limits for X array integrators.				L REFSEEK
•			/INT/	DISH2	L REFSEEK
			/INT/	RGATE2	L REFSEEK
XUS	Upper limits for X array integrators		/INT/		L REFSEEK
	in search mode.		/INT/		LREFSEEK
			/INT/	INT2	L REFSEEK
			/INT/	RGTRAK	L REFSEEK
XUT	Upper limits for X array integrators		/INT/		L REFSEEK
	in terminal mode.		/INT/		L REFSEEK
			/INT/	INT2	L REFSEEK
Y	Two dimensional array containing				L REFENVMT
-	correlated gaussian processes.				L REFENVMT
YAW	Previous value of body yaw in radians	.R	/KINE/	KINE2 M	L REFAIR
		R	/KINE/	INITHR M	L REFAIR
		R	/KINE/		L REFAIR
YDPGAN	Yaw differential channel processing	R	/CDOTPR/		LREFSEEK
	gain.				L REFSEEK
YERR	Seeker yaw error signal.		/ASYER/		LREFSEEK
YGS	Correlated gaussian process.	R	/RNDPR2/	DNINTF M	L REFENVMT
	-	R	/RNDPR2/	RAPR1 M	L REFENVMT
		R	/RNDPR2/	RAPR2 M	L REFENVMT
		R	/RNDPR2/	RAPR3 M	LREFENVMT
		R	/RNDPR2/	RAPR4 M	L REFENVMT
		R	/RNDPR 2/	RAPR5 M	LREFENVMT
			/RNDPR/		LREFENVMT
			/RNDPR/		L REFENVMT
			/RNDPR2/		_
			/RNDPR/		LREFENVMT
YM	Missile Y position in meters.	R	/ASE/	MAIN	L REFMAIN
			/ASE/	KINE4	LREFAIR
			/ASE/	DUMPIT	L REFAIR
			/ASE/		L REFAIR
			/ASE/	INITE	L REFENVMT
			/ASE/	GLINT2	LREFENVMT
			/ASE/	WTACE	L REFENVMT

APPENDIX A - REFSIM Cross-Reference/Glossary (Continued)

Symbol	Description	T	Common	Routine	<del>)</del>	L_File
		R	/ASE/	INIT2	M	L REFSEEK
		R	/ASE/	INT2	M	L_REFSEEK
		R	/ASE/	INT4	M	L_REFSEEK
		R	/ASE/	PRINT2		L REFSEEK
		R	/ASE/	MOD2		L REFSEEK
		R	/ASE/	RGATE		LREFSEEK
MT	Y distance from missile to target in	R	/ARMKIN/	MAIN		L REFMAIN
	meters.	R	/ARMKIN/	KINE4	M	LREFAIR
		R	/ARMKIN/	INITAM	M	LREFAIR
		R	/ARMKIN/	MISS		LREFAIR
<b>ISB</b>	Target yaw angle off boresight in	R	/SKRENV/	ANGVA	M	L REFENV
	degrees.		/SKRENV/			L REFENV
		R	/SKRENV/	PRINT2		L REFSEER
		R	/SKRENV/	<b>M3TRGV</b>		LREFSEER
			/SKRENV/			L REFSEER
			/SKRENV/		M	L REFSEER
			/SKRENV/			L REFSEEI
			/SKRENV/			LREFSEE
			/SKRENV/			L REFSEE
			/SKRENV/		M	L REFSEE
SB0	Previous value of YSB in degrees.		/ENVMT/			LREFENV
M	Missile Z position in meters.		/ASE/	MAIN		L REFMAIL
••			/ASE/	MAIN		L REFMAI
			/ASE/	MAIN		L REFMAI
			/ASE/	AERO4		L REFAIR
			/ASE/	AUTO2		L REFAIR
			/ASE/	AUTO3		L REFAIR
			/ASE/	AUTO4		L REFAIR
			/ASE/	KINE4		L REFAIR
			/ASE/	DUMPIT		L REFAIR
			/ASE/		м	L REFAIR
			/ASE/	INITHR	•••	L REFAIR
			/ASE/	INITMS		L REFAIR
			/ASE/	SCLDEN		L REFENV
			/ASE/	INITE		L REFENM
			/ASE/	GLINT2		L REFENV
			/ASE/	MLTPTH		L REFENV
			/ASE/	INIT2	м	L REFSEE
			/ASE/	INITS	1.1	L REFSEE
·			/ASE/	INT2	м	L REFSEE
						L REFSEE
			/ASE/	INT4	m	
			/ASE/	MOD2		LREFSEE
wia.com	Mannihuda of multimath acofficient		/ASE/	RGATE	м	L REFSEE
MAGD	Magnitude of multipath coefficient.		/MPATHI/			L REFERV
			/MPATHI/			
			/MPATHI/			_
MT	Z distance from missile to target in		/ARMKIN/			L REFAIR
	meters.		/ARMKIN/		M	
		R	/ARMKIN/	MISS		LREFAIR

APPENDIX B - ECMAPP Cross-Reference/Glossary

Symbol	Description	T	Common	Routine	L_File
ACON	Constant part of one-way range				L_COMVID
	equation: 300.*XLMDA**2/PI4**2		/SKRENV/		L_CONTRL
			/SKRENV/		LCONTRL
			/SKRENV/		LCOSRO
ACTCON	Square root of the constant part of		/APCONS/		LCONTRL
	one-way range equation.		/APCONS/		L_CONTRL
			/APCONS/		L_MONO
					LREFSEEK
ΑE	Work vector for scintillation model.		/MCSAS/		L_CORE
			/MCSAS/		LREFENVMT
AERR	Azimuth error signal in degrees/		/PARAM/		L_COMVID
	second.		/PARAM/		LREFSEEK
			/PARAM/		LREFSEEK
AGCCON	Natural logarithm of 10.		/AGC/		L_COMVID
			/AGC/		L_REFSEEK
AI	Work vector for scintillation model.		/MCSAS/		L CORE
	M2 - 13 3 6 4 1 1 3		/MCSAS/		L REFENVMT
ALPH	Missile angle of attack in degrees.		/AIRSKR/		L COMVID
			/AIRSKR/		L REFAIR
			/AIRSKR/		L REFAIR
			•	INITHR M	_
				INITMS M	
			/AIRSKR/		L REFAIR
3.7.0040	Midesumes of timeters with the de-		/AIRSKR/		LREFSEEK
ALTMC		K	/AUTO/	AUTU3	LAIR
	meters.	K	/AUTO/		L REFAIR
		ĸ	/AUTO/		L REFAIR
ANCOCT	Province value of PCICPC, used in		/AUTO/		L REFAIR
MINGPO I	Previous value of PSISPC; used in ANGTST.				LREFENMT
ANTAZ				MODXM3 M	LREFENVMT
WINT	tion is to be done in degrees.				L REFERVMT
	cion is to be done in degrees.				L REFSEEK
			/INTERP/		L REFSEEK
ANTEL	Elevation angle for which interpola-			MODXM3 M	_
141100	tion is to be done in degrees.				L REFENVMT
	cion 13 to be done in degrees.				L REFSEEK
					L REFSEEK
APAT	Decoy azimuth antenna pattern array.				
	beer, admitted ancestic factoris actay.	a Q	/DCOY/	177DAT	L REFECM
ASP	Previous value of aspect angle in	R	/SCINT/	INITD M	L CORE
	degrees.	P	/SCINT/	INITE M	I. CORE
	~~~·	R	/SCINT/	TARANC M	L REFENVMT
AUTOGN	Gain for PSID feedback circuit. See	R	/AUTO/	AUTO3	L AIR
	also APPENDIX D.	R	/AUTO/	INITHE M	L REFAIR
	AMMA - WE PRINCES RE	R	/AUTO/	INITMS M	L REFAIR
			,,		

APPENDIX B - ECMAPP Cross-Reference/Glossary (Continued)

Symbol	Description	T	Common	Routine	L_File
AUTOL	Lower limits for PSID, THTD, DELP, or	R	/AUTO/	INITHR M	L REFAIR
	DELY. See also APPENDIX D.	R	/AUTO/	INITMS M	L REFAIR
		R	/AUTO/	INT2	LREFSEEK
AUTOU	Upper limits for PSID, THTD, DELP, or	D	/AITTO/	INITHUD M	L REFAIR
	DELY. See also APPENDIX D.	ĸ	/ALPIT)/	INITMS M	L REFAIR
		R	/AUTO/	INT2	LREFSEEK
AUX2	Equivalenced to "YERR" (yaw error signal).	R	/ASYER/	DISHM M	L_REFSEEK
AUX3	Seeker pitch error signal (before filtering).	R	/CDOTPR/	DOTPR M	L_REFSEEK
AVRUF	Sea roughness accumulator.	R	/VTEST1/	AVCDAT M	T. CONTRI.
**********	oca roughricos accanaracer.		/VTEST1/		L CORE
AZ	Angle of threat off decoy boresight		/DCOY/		_
	in azimuth degrees.		•		_
AZDIFI	Azimuth difference pattern (imaginary				L_REFSEEK
	part).		/PATRN4/		LREFSEEK
AZDIFR	Azimuth difference pattern (real		/PATRN3/		LREFSEEK
	part).		/PATRN3/		L REFSEEK
BCON	Part of range equation:		/VCORE/		
	550.*XLMDA**2/PI4**2		/VCORE/		L_ECM
BETA	Missile sideslip angle in degrees.		/AIRSKR/		LLOCAL
			/AIRSKR/		LREFAIR
			/AIRSKR/		L REFAIR
			/AIRSKR/		_
			/AIRSKR/		_
			/AIRSKR/		L REFAIR
			/AIRSKR/		LREFSEEK
BLOCKR	Array which holds the "signature"		/SIGNAT/		L_LOCAL
	parameters for run.		/SIGNAT/		L_LOCAL
			/SIGNAT/		L_CONTRL
			/SIGNAT/		LCONTRL
			/SIGNAT/		L_CONTRL
			/SIGNAT/		LCORE
BNDWTH	Bandwidth of the "pass-band" in				L REFENVMT
	radians/second.				LREFENVMT
<b>BSGAIN</b>	Boresight antenna gain (voltage gain)				L_CONTRL
			/CBSGAN/		L_CONTRL
			/CBSGAN/		L_ECM
			/CBSGAN/		L_MONO
			/CBSGAN/		LREFSEEK
			/CBSGAN/		LREFSEEK
CKTM	Multiplier to convert knots to meters,				L_CONTRL
	second.		/CONST/		L_CORE
			/CONST/		L_CORE
			/CONST/		LCORE
		R	/CONST/	DECOY	L_REFTGT

APPENDIX B - ECMAPP Cross-Reference/Glossary (Continued)

Symbol	Description	T	Common	Routine	L_File
			/CONST/		L REFTGT
CLSVEL	Closing velocity. Will be needed for		/MPATHI/		L CONTRL
O	"moving multipath".		/MPATHI/		LCORE
CNIERO	RF spectrum center frequency in				L REFENVMT
C08180	radians/second.		/MPBLK5/		LREFENMT
COELEV	Elevation angle coefficient array.		/Baras/ /Baras/		L CORE L REFENVMT
COSPST	Previous value of cosine of PSISPC;		•		L REFENOMT
COPSI	used in SIGTST.				-
CDTCH	Previous value of cosine of pitch.		/KINE/		L REFAIR
CFICH	Free to the of coattle of breet.		/KINE/		L REFAIR
			/KINE/		L REFAIR
CRTD	Multiplier to convert radians to		/CONST/		L COMVID
0.1.2	degrees.		/CONST/	SETUP	L CONTRL
			/CONST/		L CORE
			/CONST/	INITE	L CORE
			/CONST/	PLOTIT	L CORE
			/CONST/	KINE2	L REFAIR
			/CONST/	AMERCS	L REFENIMT
			/CONST/	SWITAN	LREFENMIT
			/CONST/	TARANG	LREFENVMT
			/CONST/	TCORSC	L REFENVMT
		R	/CONST/	MLTPTH	LREFEWMT
		R	/CONST/	SCAN2	L REFSEEK
		R	/CONST/	INT2	LREFSEEK
		R	/CONST/	DECOY	LREFTGT
		R	/CONST/	SHIP	L REFTGT
CSCAN	Cosine of beam scanner angle.	R	/SCAN/	MODPLX	LCOSRO
			/SCAN/	MLTPTH	LREFENVMT
			/SCAN/		L_REFSEEK
			/SCAN/	DEMOD2	LREFSEEK
CURLOC	Current location.		/MNLK/	MNLCKI M	
			/MNLK/		LREFSEEK
CYAW	Previous value of cosine of yaw.		/KINE/		L REFAIR
			/KINE/		LREFAIR
			/KINE/		L REFAIR
DIALPH	Angle of attack rate in degrees/		/AERO/		L REFAIR
	second.		/AERO/		L REFAIR
			/AERO/		L REFAIR
			/AERO/		L REFAIR
D 10 000	Cidentin water to describe the second		/AERO/	INT2	LREFSEEK
DIBEIA	Sideslip rate in degrees/second.		/AERO/		L REFAIR
			/AERO/		L REFAIR
					LREFAIR
					L REFAIR
		K	/ ALKU/	TML 2	L_KEFSEEK
		R	/AERO/	INT2	L_REFSEEK

APPENDIX B - ECMAPP Cross-Reference/Glossary (Continued)

Symbol Description	T	Common	Routine	L_Pile
DIDELP Elevator rate in degrees/second.	R	/AUTO/	AUTO3 M	LAIR
•	R	/AUTO/	AUTO2 M	LREFAIR
	R	/AUTO/	INITHR M	L REFAIR
	R	/AUTO/	INITMS M	L REFAIR
	R	/AUTO/	INT2	LREFSEEK
DIDELY Rudder rate in degrees/second.		/AUTO/	AUTO3 M	
	R	/AUTO/	AUTO2 M	L REFAIR
	R	/AUTO/		LREFAIR
	R	/AUTO/		LREFAIR
	R	/AUTO/	INT2	L_refseek
DIPINT Pitch integrator input in degrees/		/AUTO/		
second.		/AUTO/		L REFAIR
		/AUTO/		L REFAIR
		/AUTO/		L REFAIR
		/AUTO/	INT2	L_REFSEEK
DIPSI Yaw rate in degrees/second.		/AERO/		LAIR
		/AERO/		L REFAIR
		/AERO/		L REFAIR
		/AERO/	AUTO2	L REFAIR
	K	/AERO/		LREFAIR
	R	/AERO/		L REFAIR
DIDCID Vary base some family in demand	K	/AERO/		LREFSEEK
DIPSID Yaw base servo input in degrees/		/AUTO/	AUTO3 M	
Second.		/AUTO/ /AUTO/		L REFAIR L REFAIR
		/AUTO/		L REFAIR
		/AUTO/	INT2	L REFSEEK
DIRALT Rate altimeter input in meters/		/AUTO/	AUTO3 M	_
second.		/AUTO/		LREFAIR
		/AUTO/		L REFAIR
		/AUTO/		L REFAIR
		/AUTO/	INT2	L REFSEEK
DITHET Missile pitch rate in degrees/second.				LAIR
		/AERO/	AERO2	LREFAIR
		/AERO/	AERO3	LREFAIR
		/AERO/	AUTO2	L REFAIR
		/AERO/		L REPAIR
		/AERO/		LREFAIR
		/AERO/		L REFSEEK
DITHID Pitch base servo input in degrees/		/AUTO/	AUTO3 M	
second.		/AUTO/		L REFAIR
		/AUTO/		L REFAIR
		/AUTO/	INITMS M	L REFAIR
		/AUTO/	INT2	LREFSEEK
DITHTL Yaw lead gyro rate in degrees/second.			AUTO3 M	
•	R	/AUTO/	AUTO2 M	LREFAIR

NOTES: "M" column indicates variable is modified. "T" column heading indicates type attribute.

AFFENDIX B - ECMAPP Cross-Reference/Glossary (Continued)

Symbol	Description	T	Common	Routine	L_File
			/AUTO/		L REFAIR
			/AUTO/		l repair
			/AUTO/	INT2	l_repseek
D <b>2P</b> SI	Missile yaw acceleration in degrees/		/AERO/		LREPAIR
	second**2.		/AERO/		L_REFAIR
			/AERO/		LREPAIR
			/AERO/		LREPAIR
			/AERO/	INT2	L REPSEEK
DZTHET	Missile pitch acceleration in degrees/		•		L REFAIR
	second**2.		/AERO/		LREPAIR
			/AERO/		LREFAIR
			/AERO/		L REFAIR
			/AERO/	INT2	L REPSEEK
DAPT	Antenna azimuth difference pattern.		/PATSYM/		L REPSEEK
	Equivalenced to "CVDOAZ".		/CV/	DOTER	L REPSEEK
DECTOR	Decoy turn on time in seconds after		/PARAM/		LCORE
20110	launch.		/PARAM/	DECOY	LREFTGT
UELASP	Delta aspect angle in degrees.		/SCINT/		LCORE
			/SCINT/	TARANG	LREFENMIT
DELP	Elevator angle in degrees.		/AERO/	PLOTIT	L_LOCAL
			/AERO/	AUTO3	LAIR
			/AERO/	AERO2	l Refair L Refair
			/AERO/ /AERO/	AERO3 AUTO2	L REPAIR
			/AERO/		LREFAIR
			/AERO/		LREFAIR
			/AERO/		L REFSEEK
DELEST	Azimuth pattern stepsize in degrees.		/INTERP/		LREPSEEK
			/INTERP/		LREFSEEK
DELR	Peak magnitude difference at port and			DECHO	LASCINT
,	starboard. (db/m**2)		/MCSAS/		L CORE
			/MCSAS/	AMERCS	LREFENMIT
DELTHE	Elevation pattern stepsize in degrees.		•		LREPSEEK
			/INTERP/		L REFSEEK
DELTIM	Model integration interval in		/ASE/	SETUP	L CONTRL
	seconds.		/ASE/	INITC M	_
			/ASE/	INITE	L CORE
			/ASE/	PLOTIT	L CORE
			/ASE/	RCO	L REFENMIT
			/ASE/	TARANG	L REFENMT
			/ASE/	INT2	LREFSEEK
		R	/ASE/	LOCK2	LREFSEEK
		R	/ASE/	MNLOCK	LREFSEEK
		••			
DELTMP	Equivalence: to "CVDOEL".		/CV/	DOTPR	LREFSEEK
DELTMP DELY		R		DOTPR PLOTIT	l_refseek l_local

APPENDIX B - ECHAPP Cross-Reference/Glossary (Continued)

Symbol .	Description	T	Common	Routine	L_File
		R	/AERO/	AERO2	L_REFAIR
		R	/AERO/	AERO3	LREFAIR
			/AERO/		LREFAIR
					LTREFAIR
		R	/AERO/	INITMS M	LREFATR
		R	/AERO/	INT2 M	LREPSEEK
Tept	Antenna elevation difference pattern.	I	/PATSYM/	ANTI M	LREFSEEK
DIFAI	Imaginary part of azimuth difference	R	/INTOUT/	MODW13	L MONO
	pattern (Ohio State).	R	/INTOUT/	ANTINA H	LREFSEEK
	•				LREPSEEX
DIFAR	Real part of azimuth difference	R	/INTOUT/	MODXet3	LTHONO
	pattern (Chio State).	R	/INTOUT/	ANTROCK M	LREFSEEK
					LREFSEEK
DIFARR	Equivalence of azimuth difference		/PATSYN/		LREPSEEK
	pattern array (Chio State).		•		
DIPEI	Imaginary part of elevation	R	/INTOUT/	MODW43	L MONO
	difference pattern (Ohio State).		/INTOUT/		
					LREPSEEK
DIFER	Real part of elevation difference		/INTOUT/		L MONO
	pettern (Chio State).		/INTOUT/		
	<b>10.00</b>		/INTOUT/		
DIFERR	Equivalence of elevation difference		/PATSYN/		LREFSEEK
<i></i>	pettern array (Chio State) .	-	,		
DIST	Miss distance in meters.	R	/SIGR/	RGATE M	L CONVID
			/SICR/		L CORE
DMX	Missile X directional derivative in		/KINE/		LREPAIR
	meters/second.		/KINE/	INT2	L REPSEEK
DMY	Missile Y directional derivative in		/KINE/		LREFAIR
	meters/second.		/KINE/	INT2	L REPSEEK
DM2	Missile Z directional derivative in		/KINE/		LAIR
	meters/second.	R	/KINE/	AUTO2	LREPAIR
			/KINE/		LREPAIR
			/KINE/	INT2	L REPSEEK
DRATIO	Specular-to-direct gain ratio.				L REPENM
DRCO	Correlation filter coefficient.		/RNDPR2/		L CORE
21.00			/RIOFR2/		LREPENM
			• • • • • • •		LREPENM
					LREPENM
					LREPENM
			/RNOPR 2/		L REFENM
DRCOM	Correlation filter coefficients.		/BARAS/		
	Anti-Tagram Fit met pagette semmet	ρ	/BARAS/	BAPRS	LREPENMI
					LREPENVM
DBCOO	Correlation filter coefficients.		/BARAS/		
~~~W	CALLANGUI BILLER CONFERMATION	2	/RAPAS/	RAPPS	LREFERM
		Ð	/BARAS/	ECO =	L REFENMI

APPENDIX B - ECHAPP Cross-Reference/Glossary (Continued)

iymbol	Description	Ŧ	Common	Routine	L_File
DT	Simulation step size in seconds.				LREFERMT
DTL	Platform motion uplate time increment		/MPBUK3/ /VCORE/		L'refement L'refeon
	in seconds.		/VCORE/	-	LREFTOT
			/VCORE/		LREFTOT
DETEST	Range gate decision time with respect		/VCORE/		L'REFTOT L'CONTRL
511551	to launch time.				L'CONTRL
			MTEST!/		LCORE
DUTY	Decoy duty cycle in percent.		/DCOY/	PLOTIT N	LILOCAL
DX	DX integration array.		/INT/		F COMALD
			/INT/		L_CONTD
			/DVT/		T_COMID
			/INT/		L CORE
			/INT/	PLOTIT	LCOVE
			/INT/		LREPSEEK
			/INT/	INT2	LREFSEEX
			/LWE/ /EWT/		LREPSEEX
			/INT/		LREPSEEK
			/DVT/	DESIM M	LREFSEEK
			/INT/		LREPSEEK
EL	Angle of threat off decoy boresight		/ENT/	BOWAT H	LREPSEEK
	in elevation degrees.	•	/ 0001/	BOWNS II	
ELA	Decoy elevation angle at launch in		/DCOY/	INITO N	
21 D121	degrees.		/OCOY/	BOYPAT	r_gol
FIDIA I	Elevation difference pattern (imaginary part).		/PATRM6/		L REPSEEX L REPSEEX
ELDIFR	Elevation difference pattern (real		/PATRICS/		L REPSEEK
	pert).		/PATRIMS/		L_REPSEEK
emsq	Ratio of steady return to average	-	/BARAS/		LCORE
EPAT	random power. Decoy elevation antenna pattern arrays		/BARAS/	PRATIO INITS M	L CONTO
		R	/DCOY/	ELPAT	LREFECH
eps	Aspect angle where peak begins in	R	/MCSAS/	DECHO	LASCOT
	degrees.	R	/MCSAS/	INITE A	L CORE L REFERMIT
FACDAZ	Monopulse pattern normalizing factor.				
· — · <del>-</del>	Dimensionless.	R	/INTOUT/	ANTI M	LREPSEEK
B 1/7000 -	Managed as make any complete to a first				LREPSEEK
FALUEL	Monopulse pattern normalizing factor. Dimensionless.				L MONO L REPSEEK
	ATUME MATCHES AND A				L REPSEEK
-			· ·		_

AFPENCIX B - BOWAFF Cross-Reference/Glossary (Continued)

FACSUM Hormalization constant for sum R /[MTOUT/ MODIN] L MONO channel anterpolyte. Dimensionless. R /[MTOUT/ AMTI M L REPSEEK R /[MTOUT/ AMTIZ M L REPSEEK R /[MTSYM/ MODIN] M L MONO R /[MTSYM/ MODIN] M L MONO
FI Elevation argument for antenna R /INTOUT/ ANTIZ M L'REFSEEX
FI Elevation argument for antenna R /IMTSYN/ MODIN) N ( NOM)
interpolation routing in degrees. R /IMTSYN/ ANTI M L'ACESCEX
H / INTSWY ANTHAN L'REPSEEX
PLAT Flat earth approximation flag. L /MBLKI/ MPINIT M L'REFEAM
(T-Flat, F-Not valid) L /NFBLKI/ NFGEON N L'REFENNY
FROCHT Multiparis sandpass center frequency R /NPATHI/ HEDER) L CORE in hertz.
G G array. Contains gain constants, R /PARWY INITS M L CONVID
etc. See also APPENDIX D. R /PARMY HEDER? M L CORE
R /PARNY INITE M L'ECRE
R /PARWY DENODE N L REPSEEX
R /PARWY DOTPR M L'REFSEEK
A /PARAVY DISH2 L REFSEEK
R /PARMY DISIM L'REPSEEX
R /PARWY LOCK2 L REFSERK
R /PARWY MILOCK L REPSERK
SAIM Threat normalized receive gain. R /SMR/ PLOTIT L'LOCAL
A /SIGV INITE M L'CORE
R /SIGV PLOTIT L'CORE
R /SIR/ MODPLX N L COSRO
R /SIR/ MODING N L'HONO
R /SIR/ MLTPTH L REPEAR
GAINT Threat normalized transmit jain. R /SIR/ PLOTIT L'LOCAL
R /SIR/ INITE M LTOINE
r /sir/ plotit l'core
R /SIR/ MODPLX M L'COSRO
R /SIR/ BOWY L_BON
R /SIGV MODINES H L_MOND
r /910/ PLIPTH L_REFERM
GAME Nork vector for scintillation model. R /MCSAS/ INITE M L CORE
R /HCBAS/ AMERICS M LIREPIDAM
GAMI Nork vector for scintillation model. A /MCSAS/ INITE M LCCRE
R /NCBAS/ AMERICS M L'REFERM
OC ACC signal gain constant. R /ACC/ INITS M L CONVID
R /ACC/ MODPLX L_COSRO
R /ACC/ MODING L_MONO
R /ACC/ ACC2 M L REPSEEK
GPEAR Decoy enterms peak gain in St. R / TCOY/ INITS M L CONVID
R /DCOY/ SETUP L'CONTRL
R /DODY/ DOMPAT LECH
OR Decoy enterna gain in threat R /DCOY/ SCAPAT 4 L BOX
direction in db. R /DCOY/ BOWMP M L BOM
CRINING Ground range from target to missile R /MPATHI/ RCATE M L CONVID

APPENDIX B - ECHAFF Cross-Reference/Glossary (Continued)

(Mark		-			
~~~·	Description	T	Common	Routine	L_File
	in meters.		/MPATHI/		
			/MPATHI/		L_REFENMT
CRSP	Threat rameive gain at the specular point.	R	/MPATHI/	MLTPTH N	LEREFENMI
CTMS	Multiplier to convert "g"s to meters per second**2.	R	/CONST/	INITR	L_CORE
JTSP	Threat transmit gain at the specular point.	R	/MPATHI/	MLTPTH 4	L_REFENIMT
HEADID	Alphanumeric array for header ID.	D	/L0000M/	SNICC N	L CONTRL
	Ship's hull height above water line		/BARAS/		L CORE
	in meters.		/BARAS/		LREFENMIT
HITCH	Hit count.	Ť	/MILK/	MICKT N	I THOMO
1111001	nac court.				LREFSEEK
[BOY	Flag. 1 indicates bow depression.		/BARAS/		LCORE
	trade a tradeographic contraction.		/BARAS/		L REFENMT
TOWARD.	Flag. I indicates change in aspect		/DISTYP/		
15 12 AND	greater than T(35).		/DISTYP/		
	Atencet cum: 1/22):		/DISTYP/		
					_
that ov	Preset dealerment (I as Co.				L REFENMT L COMVID
men	Thrget deployment [lag. See also APPENDIX D.		/VCORE/		
	SIND APPENDIX U.		/VCORE/		
			/VCORE/		
			/VCORE/		L_COSRO
		1	/VCORE/	MUUMI3	L_MONO
		Ţ	ASCORE/	THILD W	L REFECM
			/VCORE/	ABUNIU A	LREFIGT
				CHAFF P	LREFIGT
		•			
	Stem t disables seconding and		/VCORE/		LREFTGT
LPFAIR	Flag. I disables autopilot and	I	/AIRSKR/	AUTO3	LAIR
ipvair	Flag. I disables autopilot and aerodynamics.	I I	/AIRSKR/ /AIRSKR/	AUTO3 INITC M	LAIR LCORE
ipyair		I I I	/AIRSKR/ /AIRSKR/ /AIRSKR/	AUTO3 INITC M AERO2	LTAIR LCORE LREFAIR
ippair		III	/AIRSIR/ /AIRSIR/ /AIRSIR/	AUTO3 INITC M AERO2 AERO3	L_AIR L_CORE L_REFAIR L_REFAIR
ipyair		I I I I I	/AIRSIR/ /AIRSIR/ /AIRSIR/ /AIRSIR/ /AIRSIR/	AUTO3 INITC M AERO2 AERO3 AUTO2	L'AIR I L'CORE L'REFAIR L'REFAIR L'REFAIR
ippair		I I I I I	/AIRSIR/ /AIRSIR/ /AIRSIR/ /AIRSIR/ /AIRSIR/	AUTO3 INITC M AERO2 AERO3 AUTO2 DISH2	L'AIR I L'CORE L'REFAIR L'REFAIR L'REFAIR L'REFAIR
	aerodynamics.	I I I I I I	/AIRSIR/ /AIRSIR/ /AIRSIR/ /AIRSIR/ /AIRSIR/ /AIRSIR/	AUTO3 INITC M AERO2 AERO3 AUTO2 DISH2 DISHM	L'AIR L'CORE L'REFAIR L'REFAIR L'REFAIR L'REFAER L'REFSEEK L'REFSEEK
	Plag. 1 disables altimeters (terminal	I	/AIRSIR/ /AIRSIR/ /AIRSIR/ /AIRSIR/ /AIRSIR/ /AIRSIR/ /AIRSIR/	AUTO3 INITC M AERO2 AERO3 AUTO2 DISH2 DISH4 AUTO3 M	L AIR L CORE L REFAIR L REFAIR L REFSEEK L REFSEEK L AIR
	aerodynamics.	I	/AIRSIR/ /AIRSIR/ /AIRSIR/ /AIRSIR/ /AIRSIR/ /AIRSIR/ /AIRSIR/ /AIRSIR/	AUTO3 INITC M AERO2 AERO3 AUTO2 DISH2 DISHM AUTO3 M INITC M	LAIR L CORE L REFAIR L REFAIR L REFSEEK L REFSEEK L AIR L CORE
	Plag. 1 disables altimeters (terminal		/AIRSIR/ /AIRSIR/ /AIRSIR/ /AIRSIR/ /AIRSIR/ /AIRSIR/ /AIRSIR/ /AIRSIR/ /AIRSIR/	AUTO3 INITC M AERO2 AERO3 AUTO2 DISH2 DISHM AUTO3 M INITC M AUTO2 M	LAIR L CORE L REFAIR L REFAIR L REFSEEK L REFSEEK L AIR L CORE L REFAIR
	Plag. 1 disables altimeters (terminal		/AIRSIR/	AUTO3 INITC M AERO2 AERO3 AUTO2 DISH2 DISHM AUTO3 M INITC M AUTO2 M INITC M	LAIR L CORE L REFAIR L REFAIR L REFSEEK L REFSEEK L AIR L CORE L REFSEEK
	Plag. 1 disables altimeters (terminal		/AIRSIR/ /AIRSIR/ /AIRSIR/ /AIRSIR/ /AIRSIR/ /AIRSIR/ /AIRSIR/ /AIRSIR/ /AIRSIR/ /AIRSIR/	AUTO3 INITC M AERO2 AERO3 AUTO2 DISH2 DISHM AUTO3 M INITC M AUTO2 M INT2 DISH2	L'AIR L'CORE L'REFAIR L'REFAIR L'REFSEEK L'REFSEEK L'AIR L'CORE L'REFAIR L'REFSEEK L'REFSEEK
ippalit	Plag. 1 disables altimeters (terminal mode).		/AIRSIR/ /AIRSIR/ /AIRSIR/ /AIRSIR/ /AIRSIR/ /AIRSIR/ /AIRSIR/ /AIRSIR/ /AIRSIR/ /AIRSIR/ /AIRSIR/	AUTO3 INITC M AERO2 AERO3 AUTO2 DISH2 DISHM AUTO3 M INITC M AUTO2 M INT2 DISH2 DISHM	L'AIR L'CORE L'REFAIR L'REFAIR L'REFSEEK L'REFSEEK L'AIR L'CORE L'REFSEEK L'REFSEEK L'REFSEEK L'REFSEEK
ippalit	Flag. 1 disables altimeters (terminal mode).  Flag. Selects threat antenna:		/AIRSIR/ /AIRSIR/ /AIRSIR/ /AIRSIR/ /AIRSIR/ /AIRSIR/ /AIRSIR/ /AIRSIR/ /AIRSIR/ /AIRSIR/ /AIRSIR/ /AIRSIR/	AUTO3 INITC M AERO2 AERO3 AUTO2 DISH2 DISHM AUTO3 M INITC M AUTO2 M INT2 DISH2 DISHM INIT2 M	L'AIR L'CORE L'REFAIR L'REFAIR L'REFSEEK L'REFSEEK L'AIR L'CORE L'REFAIR L'REFSEEK L'REFSEEK L'REFSEEK L'REFSEEK
ippalit	Plag. 1 disables altimeters (terminal mode).		/AIRSIR/ /AIRSIR/ /AIRSIR/ /AIRSIR/ /AIRSIR/ /AIRSIR/ /AIRSIR/ /AIRSIR/ /AIRSIR/ /AIRSIR/ /AIRSIR/ /AIRSIR/ /AIRSIR/	AUTO3 INITC M AERO2 AERO3 AUTO2 DISH2 DISHM AUTO3 M INITC M AUTO2 M INT2 DISH2 DISHM INIT2 M INIT2 M MLTPTH	L'AIR L'CORE L'REFAIR L'REFAIR L'REFSEEK L'REFSEEK L'AIR L'CORE L'REFAIR L'REFSEEK L'REFSEEK L'REFSEEK L'REFSEEK L'REFSEEK L'REFSEEK L'REFSEEK
iptalit iptant	Flag. 1 disables altimeters (terminal mode).  Flag. Selects threat antenna: 1=Cosro, 2=APQ-112, 3=Ohio State.		/AIRSIR/ /AIRSIR/ /AIRSIR/ /AIRSIR/ /AIRSIR/ /AIRSIR/ /AIRSIR/ /AIRSIR/ /AIRSIR/ /AIRSIR/ /AIRSIR/ /AIRSIR/ /AIRSIR/ /AIRSIR/ /AIRSIR/	AUTO3 INITC M AERO2 AERO3 AUTO2 DISH2 DISHM AUTO3 M INITC M AUTO2 M INIT2 DISH2 DISHM INIT2 M INIT2 M INIT2 M INIT4	L'AIR L'CORE L'REFAIR L'REFAIR L'REFSEEK L'REFSEEK L'AIR L'CORE L'REFSEEK
iptalit iptant	Flag. 1 disables altimeters (terminal mode).  Flag. Selects threat antenna:		/AIRSIR/	AUTO3 INITC M AERO2 AERO3 AUTO2 DISH2 DISHM AUTO3 M INITC M AUTO2 M INITC M IN	L'AIR L'CORE L'REFAIR L'REFAIR L'REFSEEK L'REFSEEK L'AIR L'REFSEEK

APPENDIX B - ECHAPP Cross-Reference/Glossary (Continued)

Symbol	Description	T	Common	Routine	L_File
			/AIRSKR/		L REFAIR
ippbth	Plag. Selects threat type:		/DCOY/	MAIN	L_TOCAL
	1=Baseline. 2=Typical. 3=Hardened.		/DCOY/	PLOTIT	r_rocyr
		-	/DCOY/	AUTO3	L_AIR
			/DCOY/	COMPVD	r_convid
			/DCOY/	inits	r_countd
			/DCOY/	RGATEI	r_courtd
			/DCOY/	RGTRAK	r_convid
			/DCOY/	AVGDAT	LCOMPL
		I	/DCOY/	SETUP	L_CONTRL
		I	/DCOY/	HEDER1	LCORE
		I	/DCOY/	INIT2 M	LCORE
		I	/DCOY/	INITC	LCORE
		I	/DCOY/	BONWIP	LECH
		I	/DCOY/	MODXM3	LINONO
IFFCHP	Flag. 1 switches on demodulator		/AIRSKR/		LCORE
	chopper outputs.				L REFSEEK
	•		/AIRSKR/		LREFSEEK
IFFDCP	Flag. 1 switches on pitch demodulator		•		LCORE
	chopper.				LREFSEEK
IFFDCY	Flag. 1 switches on yaw demodulator		/AIRSKR/		LCORE
	chopper.		-		L REFSEEK
IFFDUP	Flag. 1 indicates completion of dish		/AIRSKR/		L CORE
	pitch-up.		/AIRSIR/		L REFSEEK
			/AIRSIR/		L REFSEEK
IPPCLT	Flag. 1 enables simulation of glint.		/AIRSKR/		L CORE
	Flag. 1 uncages lead gyro.		/AIRSIR/		LAIR
	The state of the s		/AIRSKR/		L CORE
			/AIRSKR/		LREFAIR
			/AIRSKR/		LREPSEEK
			/AIRSKR/		L REPSEEK
TPPRT			/AIRSKR/		L CONVID
	seconds after seeker turn-on.		/AIRSKR/		L CORE
TPPDAT			/AIRSKR/		LAIR
75 5 1447	1=2P2Y, 2=3P3Y, 3=3P5Y, 4=3P9Y.	_	/AIRSKR/		LCORE
	1-4 21, 1-2 31, 3-2 31, 4-2 31.		/AIRSKR/		LREFAIR
			/AIRSKR/		LREFAIR
TPPTOM	Flag. 1 indicates seeker activation.		/AIRSKR/		L'LOCAL
75 + 714.1	1109. I livicaces seemet activation.		/AIRSKR/		L COMVID
				INITC M	_
			/AIRSKR/		L REPSEEK
1987	Man 1 humanan flash blas blas about a st		/AIRSKR/		L REPSEEK
IFIC	Flag. 1 bypasses first time thru path				
	in subroutine AMERCS.				L REPENM
	Model identifier suffix.		/LOCCON/		LCONTRL
INCATE	Target in range gate flag. 0=Not in	I	/RGAT/	RGATE M	L COMVID

NOTES:  ${}^{\rm m}M^{\rm m}$  column indicates variable is modified.

<sup>&</sup>quot;T" column heading indicates type attribute.

APPENDIX B - ECHAFF Cross-Reference/Glossary (Continued)

Symbol .	Description	T	Common	Routine	L_File
	gate, l=In gate.				
INTB IN	Array of integer bins to save data		/VTEST1/		L_CONTRL
	for restart.		•		L_CONTRL
iplat	Target platform identifier. 0-6kip,		/VCORE/		LCORE
	1=Ship, 2=Decoy, 3=Chaff.		/VCORE/		LREFECM
			/VCORE/		L_REFENIMT
			/VCORE/		LREFTGT
IPOL	Polarization of incident wave; 1=V,		/MPATHI/		L_CONTRL
	2-41.		/MPATHI/		LCORE
IRG	Density type. 1=Chi Sq, 2=Rayleigh,		/DISTYP/		LASCINT
	3=Lognormal, 4=Rice, 5=Hixed.		/DISTYP/		LCORE
			/DISTYP/		l_refenant
			/DISTYP/		L REFENMET
			/DISTYP/		L REFENMENT
			/DISTYP/		LREFENMT
			/DISTYP/		L REPENMIT
			/DISTYP/		LREFENINT
***	Dulen combon			TARDEN M	LREFENMIT
RPT	Pulse counter.			PLOTIT M	_
			/PRINT/		L CORE
TOLOL	Overstable sum number ifen different		/PRINT/		LCORE
IRUN	Overnight run number (for different seeds.)		/PRINT/		LLOCAL
	36605.)		/PRINT/ /PRINT/		L ASCINT L COMVID
			/PRINT/		L CONTRL
			/PRINT/		L CONTRL
			/PRINT/		_
			/PRINT/		L CONTRL
			/PRINT/		L CORE
			/PR DVT/		L CORE
			/PRINT/	INIT2	L CORE
			/PRINT/	INITE	L CORE
			/PRINT/	TCCRSC	L REPENMIT
ISC INT	Indicates probability density type.		/BARAS/	INITE M	
<u> : - : - : - : - : - : - : - : </u>	See also APPENDIX D.		/BARAS/	MIXPR	L REPENMIT
			/BARAS/	MATCHED	L REPENMIT
			/BARAS/	RAPR5	L REPENNMT
		I	/BARAS/	RCO	LREFENMIT
		I	/BARAS/	SWITAN	LREPENMIT
		I	/BARAS/	TARDEN	L REPENUNT
iseed1	Random seed.				LREFEMMIT
				GAUBND	
iseed2	Random seed.				LREFERMIT
			/MPBLK3/		LREFENMI
iseeda	1st seed. Will be required by			SETUP	
	multipath simulation.	J	/MPATHI/	INITE	LCORE

NOTES: "M" column indicates variable is modified. "T" column heading indicates type attribute.

APPENDIX B - ECMAPP Cross-Reference/Glossary (Continued)

Symbol	Description	T	Common	Routine	L_File
ISEEDB	2nd seed. Will be required by	J	/MPATHI/	SETUP	L CONTRL
•	multipath simulation.	J	/MPATHI/	INITE	LCORE
<b>ISET</b>	Index for outermost loop of driver	I	/PRINT/	MAIN M	LLOCAL
	program.	I	/PRINT/	DECHO	LASCINT
		I	/PRINT/	ASSESS	L CONTRL
		I	/PRINT/	MEMO	LCONTRL
	•		/PRINT/		L CONTRL
		I	/PRINT/	SUMMRY	L_CONTRL
		Ι	/PRINT/	TIMER	L CONTRL
		I	/PRINT/	HEDER1	LCORE
		I	/PRINT/	INIT2	LCORE
ISKIP	Flag. 0 bypasses unused targets.	I	/DCOY/	RGATE	LCOMVID
		I	/DCOY/	CONTRL	L CONTRL
		I	/DCOY/	INITR	L CORE
		Ι	/DCOY/	INIT2 M	LCORE
		Ι	/DCOY/	INITP	L REFECM
		Ι	/DCOY/	SCINT2	L REFENVMT
		I	/DCOY/	CHAFF M	LREFTGT
		I	/DCOY/	DECOY M	L REFTGT
isnaed	Serial number of the present run (0		/LOGCOM/	SNLOG M	L CONTRL
	if not logged).				_
ISUM	Intermediate calculation in PRINT2		/DCOY/		L_CORE
	subroutine.		/DCOY/		
LASTN			/MENLK/	MINICKI M	L_MONO
	register.		/MILK/		L_REFSEEK
	Dummy buffer for logical flags.		/LFLAG2/		L_CORE
ICLUM	Flag. T enables clutter simulation. Read in INIT2.	L	/LFLAG2/	INITE	LCORE
LMPATH	Flag. T enables multipath simulation.	L	/LFLAG2/	INITE	L CORE
	Read in INIT2.		/LFLAG2/		L COSRO
			/LFLAG2/		L ECM
			/LFLAG2/		L MONO
LOCKM	Value of m for the m-out-of-n		/MNLK/	MNICKI M	
	criterion.		/MNLK/	MNLOCK	L REFSEEK
LOCKN	Value of n for the m-out-of-n	Ī	/MNLK/	MNLCKI M	
	criterion.		/MNLK/	MNLOCK	L REFSEEK
LOGNAM	Array containing name of the log file.				L LOCAL
LOMNI					L CONTRL
	antenna. Read in INIT2.		/LFLAG2/		LECM
LPLOT			/LFLAG2/		L LOCAL
	INIT2.		/LFLAG2/		L LOCAL
			/LFLAG2/		L CORE
			/LFLAG2/		L CORE
			/LFLAG2/		L CORE
LPRINT	Flag. T enables printing of "RESULT"		/LFLAG2/		LLOCAL
	file. Read in INIT2.		/LFLAG2/		LASCINT
		_	, — — <del> </del>		

Symbol	Description	T	Common	Routine	L_File
		L	/LFLAG2/	HEDER1	L CORE
		L	/LFLAG2/	HEDER2	L CORE
LRPEAT	Flag. T sets ARG1 to 1.0 in	L	/LFLAG2/	ECMAMP	LECM
	subroutine DECOY1. Read in INIT2.				_
LSCINT	Flag. T implies scintillation. Read	L	/LFLAG2/	MAIN	L LOCAL
	in INIT2.	L	/LFLAG2/	INIT2	LCORE
LSEED	Array of sub-cycle seeds.	J	/RNGCOM/	RANDOM M	L REFENVMT
	•	J	/RNGCOM/	INIRAN M	L REFENVMT
LSTOP	Flag. T stops run when ship is out of range gate. Read in INIT2.	L	/LFLAG2/	CONTRL	L_CONTRL
LTIMER	Flag. T shuts down run during working	۲.	/LFIAG2/	MATN	L LOCAL
	hours. Read in INIT2.				
MDLSPC	Flag indicating model to be used				L REFERVMT
	(0=Brown model, 1=Fast empirical).				LREFENVMT
MODE	Flag. 1=Search, 2=Acquisition,		/AIRSKR/		
	3=Track, 4=Drop track.		/AIRSKR/		L COMVID
					L_COMVID
			/AIRSKR/		L COMVID
			/AIRSKR/		L_COMVID
			/AIRSKR/		L CONTRL
					L CONTRL
			/AIRSKR/		L CORE
			/AIRSKR/		L_CORE
			/AIRSKR/		LREFAIR
			/AIRSKR/ /AIRSKR/		L REFECM L REFSEEK
			/AIRSKR/		L REFSEEK
			/AIRSKR/		L REFSEEK
			/AIRSKR/		L REFSEEK
			/AIRSKR/		L REFSEEK
					L REFSEEK
					L REFSEEK
MODTYP	Modulation type flag. See		/VCORE/		L COMVID
	also APPENDIX D.		/VCORE/		L CORE
		Ŧ	/VCORE/	INIT2 M	L CORE
			/VCORE/		L CORE
			/VCORE/	MODPLX	L COSRO
			/VCORE/	ECMPAT	L ECM
			/VCORE/	ECMDLY	LECM
			/VCORE/	MODXM3	L MONO
			/VCORE/		L REFECM
			/VCORE/	SCINT2	LREFENVMT
MS	Random seed.		/DCOY/		L CORE
N14	The number of complex video segments		/CV/		L COMVID
	in the early gate.		/CV/	RGTRAK	L COMVID
NAZ	Number of grid points in azimuth				L REFSEEK
		-			

NOTES: "M" column indicates variable is modified. "T" column heading indicates type attribute.

APPENDIX B - ECMAPP Cross-Reference/Glossary (Continued)

Symbol	Description	T	Common	Routine	L_File
	field of view.	I	/INTERP/	ANTNA 2	L REFSEEK
NC	Pulse counter in print routine.		/PRINT/		
			/PRINT/		
		I	/PRINT/	PLOTIT M	L CORE
NCLTBG	Starting index for sea clutter edge	I	/PRECV/	COMPVD	L_COMVID
	data to be sorted.	Ι	/PRECV/	INITE M	L_CORE
				MODPLX M	
				MODXM3 M	
NCLTEN	Last index for sea clutter edge data			COMPVD	
	to be sorted.	Ι	/PRECV/	INITE M	L_CORE
		I	/PRECV/	MODPLX M	L_COSRO
				MODXM3 M	
NDFAIL	Number of accumulated failures.			ASSESS M	
		I	/VTEST1/	RESTRT M	L_CONTRL
		I	/VTEST1/	SUMMRY	L CONTRL
NDSUCC	Number of accumulated successes.	I	/VTEST1/	ASSESS M	L CONTRL
		I	/VTEST1/	RESTRT M	L CONTRL
		I	/VTEST1/	SUMMRY	LCONTRL
NEL	Number of grid points in elevation	I	/INTERP/	ANTI2 M	LREFSEEK
1 150 D D D	field of view.	_			
NESEED	If zero, 1st seed is random. If			INIT2 M	
	positive, 1st seed is repeatable.			INITE	
NINGAT	Number of targets appearing in the	Ī	/HGAT/	RGATE M	L COMVID
	range gate.	1	/RGAT/	MODPLX	
1171/	Number of Japanes black to be used		/RGAT/		_
NIX	Number of integer bins to be used.			MAIN M	
				ASSESS	
117 TOO 10				RESTRT M	
NLKONS	Number of lock-on's (transitions into				
	mode 3).		/VTEST1/		LCORE
NP	Print interval in number of pulses.			PLOTIT M	_
			/PRINT/		L CORE
	<b>8.3</b>			PLOTIT M	
NS	Pulse counter.			PLOTIT M	
			/PRINT/		LCORE
		_	/PRINT/		
NT	Number of records printed.			PLOTIT M	_
			/PRINT/		L_CORE
				INITC M	
				PLOTIT M	
NTARG	· · · · · · · · · · · · · · · · · · ·		/SKRENV/		L COMVID
	passive).		/SKRENV/		LCONTRL
			/SKRENV/		L_CONTRL
			/SKRENV/		LCORE
				INIT2 M	
		I	/SKRENV/	INITE	L_CORE

AFPENDIX B - ECMAPP Cross-Reference/Glossary (Continued)

Symbol	Description	T	Common	Routine	L_File
		T	/SKRENV/	INTTP	L REFECM
			/SKRENV/		L REFENVMT
			/SKRENV/		L REFTGT
NTOI	Drinter to show which target is the				L COMVID
MIOI	Pointer to show which target is the	<u>+</u>	/RGAT/	MODDE M	L COSRO
	nth target in the gate.	Ţ	/RGAT/	MODPLA	
	Number of best maintage for				L MONO
NIPNIS	Number of test points for accumulating averages.	1	/VTEST1/	AVGLAT M	L_CONTRL
NVID	Total number of complex video signal	I	/PRECV/	COMPVD	L COMVID
	edges to be sorted.	I	/PRECV/	MODPLX M	L COSRO
	•	I	/PRECV/	MODXM3 M	L MONO
NVIDEO	The number of complex video segments		•		L COMVID
	in the range gate.	T	/CV/	DCIDAK	L COMVID
	in the range gute.	Ť	/CV/	DOTTED	L REFSEEK
			/CV/		L REFSEEK
\m m/	Number of constable blue to be used				
NVX	Number of variable bins to be used.		/VTEST1/		L LOCAL
			/VTEST1/		L CONTRL
					L CONTRL
ONEPAS	Flag. T-Shift register filled, F-Not	L	/MNLK/	MNLCKI M	L_MONO
	filled.	L	/MINLK/	MINILOCK M	LREFSEEK
P	Plot array.		/PRINT/		
		R	/PRINT/	PLOTIT M	L CORE
PASCON	Square root of the constant part of	R	/APCONS/	AVGDAT	L CONTRL
	the two-way range equation.	R	/APCONS/	SETUP	L CONTRL
	· ·	R	/APCONS/	MODXM3	L MONO
			•		L REFSEEK
PCON	Part of 2-way range equation:		/SKRENV/		L COMVID
	550.*300.*SKRPWR*XLMDA**2/PI4**3		/SKRENV/		L CONTRL
			/SKRENV/		L CONTRL
			/SKRENV/		L COSRO
DDDCAN	Pitch differential channel processing				L REFSEEK
PDEGMI	gain.				L REFSEEK
DEDD	Seeker pitch error signal in degrees/				L AIR
PERR					
	second.				L COMVID
			/AIRSKR/		LREFAIR
					LREFSEEK
			/AIRSKR/		L_REFSEEK
PGATE	Equivalenced to X(19). (prediction gate - leading edge.)	R	/INT/	RGATE	r_comvid
PGATEN	Prediction gate trailing edge in microseconds.	R	/RGAT/	RGATE M	L_COMVID
PINT	Pitch integrator output in degrees.	R	/AUTO/	AUTO3	L AIR
			/AUTO/	AUTO2	LREFAIR
			/AUTO/		L REFAIR
	•		•		L REFAIR
			/AUTO/		
		K	/AUTO/	INT2 M	L_REFSEEK

AFPENDIX B - ECMAPP Cross-Reference/Glossary (Continued)

Symbol	Description	T	Common	Routine	!	L_File
PLSDEL	Minimum pulse width to be reported as a separate slice in microseconds.	R	/PRECV/	COMPVD		L_COMVID
POLFIG	Polarization flag. 1=Vertical.	T	/MPBLK2/	MPINIT	М	L REFENVMT
	0=Horizontal.		/MPBLK2/		• •	L REFENMT
PSB	Target pitch angle off boresight in		/SKR/		M	
	degrees.		/SKR/			L COSRO
			/SKR/	MODXM3		L MONO
PSI	Missile yaw angle in degrees.		/AIRSKR/			L LOCAL
	The second part and the grant		/AIRSKR/			LAIR
			/AIRSKR/			L_COMVID
			/AIRSKR/			L CONTRL
			/AIRSKR/			L CORE
			/AIRSKR/			L REFAIR
			/AIRSKR/		M	
			/AIRSKR/			
			/AIRSKR/			LREFAIR
			/AIRSKR/			L REFSEEK
PSIB	Dish yaw angle relative to missile	R	/AIRSKR/	AUTO2		LREFAIR
	body in degrees.	R	/AIRSKR/	AUTO3		LAIR
	•		/AIRSKR/		M	L COMVID
		R	/AIRSKR/	INT2	M	LREFSEEK
PSID	Yaw base servo output in degrees.	R	/AUTO/	AUTO3		LAIR
	•		/AUTO/			LREFAIR
		R	/AUTO/	INITHR	M	L REFAIR
		R	/AUTO/	INITMS	M	LREFAIR
		R	/AUTO/	INT2	M	LREFSEEK
<b>PSIMAX</b>	Maximum azimuth angle stored in	R	/INTERP/	ANTI2	M	LREFSEEK
	degrees.	R	/INTERP/	ANTNA 2		LREFSEEK
PSIMIN	Minimum azimuth angle stored in	R	/INTERP/	ANTI2	M	LREFSEEK
	degrees.	R	/INTERP/	ANTNA 2		LREFSEEK
PSISPC	Specular angle in radians.		/MPATHI/			LCONTRL
			/MPATHI/			LCORE
			/MPATHI/			LREFENVMT
PICH	Previous value of body pitch in		/KINE/	INITHR		LREFAIR
	radians.		/KINE/	INITMS		LREFAIR
			/KINE/			LREFAIR
PULST	Leading edge of the complex video slice in microseconds.	R	/CV/	COMPVD	M	L_COMVID
Pulsw	Pulse width of the complex video	R	/CV/	COMPVD I	M	L COMVID
	slice in microseconds.		/CV/	RGTRAK		LCOMVID
			/CV/			LREFSEEK
RALT	Rate altimeter output in meters.		/AUTO/			LAIR
	-		/AUTO/			LREFAIR
		R	/AUTO/	INITHR	M	LREFAIR
		R	/AUTO/	INITMS	M	LREFAIR
			, ,			L REFSEEK

Symbol	Description	T	Common	Routine	L_File
RANGE	Range from ship to missile in meters.	R	/SKRENV/	RGATE M	L COMVID
	•		/SKRENV/		L CONTRL
				INITE M	LCORE
			/SKRENV/		L COSRO
			/SKRENV/		LECM
			/SKRENV/		L MONO
				INITHR M	
			•		L REFAIR
RCOS	Cosine of a random phase angle (the		/CRINDSC/		L COSRO
	same angle as RSIN).		/CRNDSC/		L MONO
	June digit do l'Oilly .		•		L REFSEEK
RDDOT	Range gate acceleration limit in		/PARAM/		L COMVID
MOOL	microseconds/second**2.				_
DIYYTM	•		/PARAM/		
RECITE	Range gate velocity limit in		/PARAM/		L_COMVID
DD0 17-10	microseconds/second.		/PARAM/		
RECHWA	Threat power level in the decoy in		/DCOY/		L CORE
	dbm.		/DCOY/		
REPPRB	Probability that the decoy will		/VDECO/		L_CORE
	repeat a given pulse.		/VDECO/	ECMAMP	L_ECM
rf	Radar frequency in hertz.		/SCINT/		L_COMVID
			/SCINT/	INITD	L_CORE
		R	/SCINT/	EMERCS	L REFENVMT
		R	/SCINT/	TCORSC	L REFENVMT
RGATE	Range gate leading edge in	R	/INT/	CUMPVD	LCOMVID
	microseconds. Equivalent to X(20).	R	/INT/	CONTRL	L CONTRL
RGATEN	Range gate trailing edge in microseconds.	R	/RGAT/	RGATE M	L_COMVID
RGATLN	Total range gate length in	R	/RGAT/	RGATE	L COMVID
	microseconds.		/RGAT/		L COMVID
RHO	Mean-to-median ratio.		/DISTYP/		LASCINT
			/DISTYP/		L CORE
			/DISTYP/		L REFENMT
RICEM	Mean-to-median ratio for Rice		/BARAS/		L CORE
	distribution.		/BARAS/		L REFENANT
<b>RJTOS</b>	J/S ratio of target 2 to target 1.			AVGDAT M	
.0.0	o, b tucio di catget 2 to tatget 1.		/VTEST1/		LCONTRL
				SUMMRY	
				HEDER2	
				INIT2 M	
DMG717W	DMC usus height in meters		/VIESII/ /MPATHI/		L CONTRL
M-DMUT	RMS wave height in meters.		•		_
				SETUP M	_
			/MPATHI/		L CORE
			/MPATHI/		L CORE
RNCO	Correlation filter coefficient.			INITE M	
			/RNDPR2/		l_refenant
		R	/RNDPR2/	RAPR2	LREFENVMT
			<del></del>		

NOTES: "M" column indicates variable is modified. "T" column heading indicates type attribute.

APPENDIX B - ECMAPP Cross-Reference/Glossary (Continued)

Symbol	Description	T	Common	Routine	L_File
		R	/RNDPR2/	RAPR3	L REFENVMT
			/RNDPR2/		L_REFENVMT
		R	/RNDPR2/	RCO N	I L REFENUMT
RNCOM	Correlation filter coefficients.	R	/Baras/	INITE N	1 L CORE
		R	/Baras/	RAPR5	LREFENVMT
		R	/Baras/		I L REFENUMT
RNCOQ	Correlation filter coefficients.	R	/Baras/	INITE M	LCORE
			/Baras/	RAPR5	LREFENVMT
			/BARAS/		LREFENVMT
RPDACC	Repeater RGPO delay acceleration in		/VDECO/		LCORE
	microseconds/second**2.		/VDECO/	RGPO	LREFECM
RPDMAX	Maximum value of RGPO repeater delay		/VDECO/		LCORE
	in microseconds.		/VDECO/	RGPO	L_REFECM
RPDMIN	Minimum value of RGPO repeater delay		/VDECO/		L CORE
	in microseconds.		/VDECO/	RGPO	LEREFECM
RPDVEL	Repeater RGPO delay velocity in		/VDECO/	_	LCORE
	microseconds/second.		/VDECO/	RGPO	LREFECM
RPDWLL	Repeater dwell time before RGPO sweep				I L CORE
	in seconds.		/VDECO/	RGPO	L REFECM
RPPINT	Interval between pulses of a		/VDECO/		I CORE
222424	multipulse decoy in microseconds.		/VDECO/	DLPLSE	L REFECM
RPPNUM	Number of pulses in the transmitted		·/VDECO/		L CORE
DOCUMENT	group of a multipulse decoy.		/VDECO/	DLPLSE	LREFECM
KPSTIM	Starting time of latest repeater		/VDECO/		L CORE
nemer	sweep in seconds.		/VDECO/		L REFECM
RPTUEL	Decoy repeater turnaround delay in		/VDECO/	SETUP	L_CONTRL
	microseconds.		/VDECO/		LCORE
			/VDECO/		LCORE
			/VDECO/		LCORE
			/VDECO/	<b>ECMDLY</b>	LTECM
DOMEST D	Pages during maring throughold in the		/VDECO/		LREFECM
KPINLD	Decoy input power threshold in dbm.		/VDECO/		LCORE
	Departed by secult print in inches		/VDECO/	ECMAMP	L_ECM
RPIPMR	Repeater transmit power in watts.		/VDECO/		L CONTRL
			/VDECO/	HEDER1	LCORE
			/VDECO/		LCORE
			/VDECO/	ECMPAT ECMAMP	L ECM L ECM
	Repeater radar pulse width in		/VDECQ/	INITE M	
RETINEM	microseconds.	~	/ VDECU/	INTIK M	LCORE
rsin	Sine of a random phase angle (the		/CRNDSC/		L_COSRO
	same angle as RCOS).		/CRNDSC/		L_MONO
					LREFSEEK
RUNTIM	Maximum duration of the run in		/PARAM/		L_FOCAL
	seconds.	R	/PARAM/	HEDER1	L_CORE
		R	/PARAM/	INIT2 M	LCORE
	<del></del>				

NOTES: "M" column indicates variable is modified. "T" column heading indicates type attribute.

	APPENDIX B - BOMAPP Cross-Refere	ence,	/Glossary	(Continu	ed)
Symbol	Description	T	Common	Routine	L_File
			/PARAM/		L_CORE
		R	/PARAM/	PLOTIT	L_CORE
S	Table of sines of angles from 0 to 9	90 R	/SINES/	RNDSCI M	L_REFSEEK
sı	degrees. Table of sines of angles from 0 to 9 degrees.	90 R	/SINES/	RNDSC	L_REFSEEK
SCINT	Amplitude scintillation array.		/SCINT/	DECHO	L_ASCINT
			/SCINT/		LCORE
			/SCINT/		LREFENIMI
					LREFENVMT
			/SCINT/		LREFENMI
		R	/SCINT/	MIXPR	LREFENMI
		R	/SCINT/	MNTOMD	L REFENMIT
		R	/SCINT/	PRATIO M	LREFENMI
			/SCINT/		L REPENVMT
			/SCINT/		L REFENMIT
			/SCINT/		L REPENVMT
			/SCINT/		L REFENMI
					L REFENMI
					LREFENMI
		D	/SCINT/	TADREN	L REFENMI
			/SCINT/		L REFENIMT
CELCI	Can alimban annou				
	Sea clutter array.		/DISTYP/		
SEACUN	Sea conductivity coefficient.		•		L REFENMI
			/MPBLK4/		L REFENMI
SEADIE	Sea dielectric constant.				L REFENMI
			/MPBLK4/		LREPENMI
SEARUF	Sea roughness factor.	R	/MPATHI/	AVGDAT M	L CONTRL
		R	/MPATHI/	SETUP	L_CONTRL
		R	/MPATHI/	INIT2 M	LCORE
		R	/MPATHI/	PLOTIT	L CORE
SHFTRG	Shift register.	I	/MNLK/	MNICKI M	L MONO
		I	/MNLK/	MINLOCK M	L REFSEEK
SIGMB	Median RCS at bow in meters**2.		/BARAS/		L CORE
			/BARAS/	AMERCS	L REFENMI
STOME	Current value of median RCS in		/MCSAS/	DECHO	LASCINT
	meters**2.		/MCSAS/	AVGDAT	L CONTRL
	meters		/MCSAS/		L CONTRL
			/MCSAS/		
					L CORE
			/MCSAS/		
					LREFENMI
					LREFENMT
			/MCSAS/		L REPENMIT
				UA DE 7	L REFENME
			/MCSAS/		_
		R	/MCSAS/ /MCSAS/	RAPR3	L REFENMT L REFENMT

NOTES: "M" column indicates variable is modified. "T" column heading indicates type attribute.

AFPENDIX B - ECMAPP Cross-Reference/Glossary (Continued)

Symbol	Description	T	Common	Routine	L_File
			/MCSAS/		L REPENMET
SIGMP	Median RCS at port and starboard in		/MCSAS/		LCORE
	meters**2.	R	/MCSAS/	<b>MERCS</b>	LREFERMIT
Sighs	Median RCS at stern in meters**2.	R	/MCSAS/	INITE M AMERCS	L CORE
					LREFEMMI
SIGP	Sight-line angle to target in pitch		/SKRENV/		L_LOCAL
	in degrees.				L_CONVID
		R	/SIRENV/	PLOTIT	LCORE
			/SIRENV/		LECH
			/SIRENV/		LREPENNIT
SIGP0	Previous value of pitch sight-line		/SC DAT/		LCORE
	angle in degrees.		•		LREFERENT
SIGPS1	Previous value of PSISPC; used in				L REPENNIT
	SIGIST.				LREPENMIT
SIGY	Sight-line angle to target in yaw in		/SIRENV/		L COMVID
	degrees.		/SIRENV/		L CONTRL
			/SKRENV/		L CORE
				INITE M	
			/SIRENV/		LECH
	<b></b>		/SIRENV/		LREPENMIT
SKRPWR	Threat seeker transmit power in watts	.R	/SKRENV/	INITS M	r countr
				BOWMP .	
	Paka aim ima abantad		/SIRENV/		LREPSEEK
	Date run was started.				L CONTRL L CONTRL
	Time run was started.  Previous value of sine of pitch.		/LOGCON/ /KINE/		LREPAIR
SPICA	Free more varies or sine or procin.				L REPAIR
			/KINE/		L REPAIR
CCCAN	Sine of beam scanner angle.		/SCAN/		L COSRO
SOCIETY	Sile of bear scatter angle.		/SCAN/		LREFERENT
			•		L REPSEEK
			/SCAN/		L REPSEEK
STOWTH	Split track gate width in		/DCOY/	COMPVD	L CONVID
0107111	microseconds.		/DCOY/		L CONVID
			/DCOY/	RGATEI	L_COMVID
			/DCOY/	ASSESS	L CONTRL
			/DCOY/		L CONTRL
		R	/DCOY/	INITO	L CORE
		R	/DCOY/	DLPLSE	L REFECM
SUPPIX	Suffix to indicate model type:	I	/PRINT/	MAIN M	
	".C"=Cosro. ".M"=Mono.		/PRINT/		L CONTRL
SUM	Camulative change in aspect angle in				
•	degrees.				LREFERMIT
SUMI	Imaginary part of antenna gain sum		/INTOUT/		L MONO
	channel.		/INTOUT/		LREFSEEK
			/INTOUT/		LREFSEEK
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NOTES: "M" column indicates variable is modified.

<sup>&</sup>quot;T" column heading indicates type attribute.

APPENDIX B -	ECHAPP	Cross-Reference/Gl	ossary (Continued)
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Symbol	Description	T	Common	Routine	L_File
******	<del></del>	R	/INTOUT/	ANTINA N	L REFSEEK
		R	/INTOUT/	ANTINA2 H	LREFSEEK
SUMPAI	Sum pattern (imaginary pert).	I	/PATRN2/	AMTI2	LREFSEEK
		I	/PATRN2/	ANTHIA2	L REFSEEK
SUMPAR	Sum pattern (real part).	I	/PATRN1/	ANTI2	L REFSEEK
	•	I	/PATRN1/	ANTHA 2	L REFSEEK
SUMPR	Real part of antenna gain sum channel.	.R	/INTOUT/	MODWH3	L NONO
	•	R	/INTOUT/	ANTI	LREFSEEK
		R	/INTOUT/	AMTI2	LREFSEEK
		R	/INTOUT/	ANTONIA H	LREFSEEK
		R	/INTOUT/	ANTINA 2 M	LREFSEEK
SUMPR	Equivalenced to "SUMPAT".	I	/PATSYN/	ANTTON	LREFSEEK
SUMPAP	Equivalenced to "CVIDEO".	R	/CV/	DOTTER	LREFSEEK
SUPT	Sum pattern.	I	/PATSYM		LREFSEEX
SYM	Previous value of sine of yew.	R	/KINE/	INITIER M	
	•	R	/KDE/	INITMS M	LREFAIR
		R	/KINE/	KINE2 M	LREFAIR
T	T array. Contains time constants,	R	/PARAN/	MAIN	LICCAL
	etc. See also APPENDIX D.	R	/PARWY	INITS M	L CONVID
		R	/PARAN/	INITC M	LCORE
		R	/PARNA/	ACC2	LREPSEEK
		R	/PARMY		L REPSEEK
		R	/PARNY		LREPSEEK
		R	/PARAN/	DISH2	LREPSEEK
			/PARMY	DISHM	LREFSEEK
		R	/PARMY	LOCK2	LREPSEEK
TAGC	Noise loop filter time constant.	R	/NOC/	INITS M	L_CONVID
			/NOC/		LREFSEEK
TB EGIN	Target echo leading edge in		/RGAT/		T_CONVID
	microseconds. Duplicate of TGTDLY.		/RGAT/	MODPLX	LCOSRO
			/RGAT/	MODINI3	L_HONO
TOPLOY	Target deployment time in seconds.		/VCORE/		LCONTRL
	See also APPENDIX D.		/VCORE/		L_CONTRL
			/VCORE/	INITR	LCORE
			/VCORE/	INIT2 M	
			/VCORE/	inite	LCORE
			/VCORE/		
			/VCORE/		
				DECOY M	
				TARCET	LREFTOT
TEND	Target echo trailing edge in		/RGAT/		
	microseconds.		/RGAT/		
			/RGAT/		
TGEMP	Target return level computed in			RGATE M	
	missile receiver in volts.			INITC M	
		R	/SIRENV/	PLOTIT	LCORE

NOTES: "M" column indicates variable is modified.
"T" column heading indicates type attribute.

AFFENCIX B - BOWAFF Cross-Reference/Glossary (Continued)

Symbol Description	7	Common	Routine	L_File
			HODPLX H	
			HODING H	
TOTBUT Target turning rate in degrees/second				LCORE
		/SIRDIV/		L_CORE
		/SIRDN/		LCORE
	K	/SIRDN/	SHIP	L'REPTOT L'REPTOT
TGTBRG Target bearing COM from positive		/SIRDN/		LCOMTRL
X-axis in degrees.		/SIGEN/		L CORE
v_mrs m college.		/SIGNON/		L CORE
		/SIRDIV/		LCORE
			INITC M	_
		/SIRDN/		LCORE
			BOWAT	
		/SIRDN/		LREPOMIT
			ABOARD N	
		/SIRDN/		L REPTOT
		/SIRDN/		L REFTOT
TOTOLY Leeding edge of target pulse received				L'LOCAL
by seeker in microseconds.			ROATE M	
•		/SIRDIV/		LCOMTRL
	R	/SIRDN/	CONTRL	LCOUTRL
		/SIRDN/		LCORE
		•	INITC M	LCORE
		/SIRDIV/		LCORE
			BOYDLY N	
			DLPLSE M	
TOTRCS RCS in square meters or ERP in watts.				L_TOCAL
			AVCDAT	L COMPRL
			INIT2 M	
			INITC M	
			PLOTIT	
			MODPLX	
			BONAND N	
		/SIRDIV/	- '	LHONO
		/SIREN/		LREPENNT
		/SIREN/		LREPENNT
		/SIRDIN/		L REPENNT
		/SIRDN/	RAPRA M	LREPENNIT
			RAPRS M	L REFERENT
TOTRAW Width of target pulse received by		/SIRENY/		L CONVID
seeker in microseconds.		/SIREN/		L CONTRL
		/SIRENY/		L CONTRL
		/SIRDIV/		L CONTRL
	R	/SIREN/	INITR M	L CORE

APPENDIX B - ECHAFF Cross-Referen	(Continued)			
Symbol Description	T	Common	Routine	L_File
	R	/SKRENV/	INIT2 M	L CORE
	R	/SKRENV/	INITC M	L CORE
TCTVEL Target velocity in knots.	R	/SKRENV/	SETUP	L CONTRL
		/SKRENV/		LCORE
		/SKRENV/		LCORE
		/SIRENV/		L CORE
		/SKRENV/		L REFTGT
		/SKRENV/		L REFTGT
TGTXCO Target position on X-axis in meters.		/SIRENV/		L LOCAL
		/SKRENV/		L LOCAL
		/SKRENV/		L COMVID
		/SIRENV/		L CONTRL
		-	INIT2 M	
			INITC M	
		/SIRENV/		L CORE
		/SKRENV/		L REPENUMT
			ABOARD M	
		/SKRENV/		l reftgt
		/SKRENV/		L REFTGT
		/SKRENV/		LREFTGT
TGTYCO Target position on Y-axis in meters.	R	/SKRENV/	PLOTIT	L_LOCAL
	R	/SIGRENV/	RGATE	L_COMVID
	R	/SKRENV/	SETUP	L CONTRL
	R	/SKRENV/	INIT2 M	L CORE
	R	/SIRENV/	INITC M	L CORE
		/SIRENV/		L CORE
			ABOARD M	
		/SKREW/		L REFTGT
		/SKREW/		L REFTGT
		/SKREW/		L REFTGT
TUTICO Target position on 2-axis in meters.		•		L COMVID
larges inches basiston on a min in mention		/SKRENV/		L CONTRL
		/SKRENV/		L CORE
		/SKRENV/		L CORE
		/SKRENV/		L CORE
				L CORE
		/SKRENV/		
		/SKRENV/		L REFENOMT
			ABOARD M	
			CHAPP M	_
		/SKREW/		L REFTGT
THEON Aspect angle where depression starts		/BARAS/		L CORE
in degrees.				LREFENMT
THEMAX Maximum elevation angle stored in				L REFSEEK
degrees.		/INTERP/		LREFSEEK
THEM IN Minimum elevation angle stored in		•		LREFSEEK
degrees.	R	/INTERP/	ANTNA 2	L_REFSEEK
		·	- <del></del>	

NOTES: "M" column indicates variable is modified. "T" column heading indicates type attribute.

APPENDIX B - ECMAPP Cross-Reference/Glossary (Continued)

Symbol	Description	T	Common	Routine	L_File
THET	Azimuth argument for antenna	R	/INTSYM/		
	interpolation routine in degrees.	R	/INTSYM/	ANTI M	LREFSEEK
	•	R	/INTSYM/	ANTNNA	L REPSEEK
THRHLD	Constant associated with update test	R	/MPBLK6/	MPINIT M	LREFENIMT
	in SIGTST.	R	/MPBLK6/	SICTST	LREFENMIT
THTD	Pitch base servo output in degrees.	R	/AUTO/	AUTO3	LAIR
		R	/AUTO/	AUTO2	LREFAIR
		R	/AUTO/	INITHR M	L_REFAIR
		R	/AUTO/		LREFAIR
			/AUTO/		L_REFSEEK
THTG	Missile pitch angle in degrees.	R	/AIRSKR/	PLOTIT	LTLOCAL
			/AIRSKR/		LAIR
		R	/AIRSKR/	RGATE	r_comaid
		R	/AIRSKR/	PLOTIT	L_CORE
			/AIRSKR/		L_REFAIR
					LREFAIR
		R	/AIRSKR/	INITMS M	LREPAIR
		R	/AIRSKR/	KINE 2	L_REFAIR
		R	/AIRSKR/	MLTPTH	L REFENUMT
		R	/AIRSKR/	INT2 M	l_refseek
THTL	Yaw lead gyro angle in degrees.	R	/AUTO/	AUTO3	L_AIR
			/AUTO/		LREFAIR
		R	/AUTO/		L_REFAIR
		R	/AUTO/		L_REFAIR
			/AUTO/		L REFSEEK
TIME	Accumulated run time in seconds.		/ASE/	Main	LTLOCAL
			/ASE/	AVGDAT	L_CONTRL
			/ASE/	CONTRL	L_CONTRL
			/ASE/		L_CORE
			/ASE/	PLOTIT	L_CORE
			/ASE/	RGPO	L_REFECM
			/ASE/	TARANG	LREFENVMT
			/ASE/	MLTPTH	L_REFENVMT
			/ASE/		L_REFSEEK
			/ASE/	DECOY	L_REFTGT
			/ASE/	TARGET	L_REFIGT
TIMEO	Previous value of time in seconds.				
					LREFENVMT
TITLE	First line of output data file title.		-		_
			/VTEST1/		_
<b></b>			/VTEST1/		
TITLE 2	Second line of output data file title				
			/VTEST1/		
m			/VTEST1/		
TITLE 3	Third line of output data file title.				
		I	/VTEST1/	INIT2 M	L_CORE

NOTES: "M" column indicates variable is modified.

<sup>&</sup>quot;T" column heading indicates type attribute.

APPENDIX B - ECMAPP Cross-Reference/Glossary (Continued)

Symbol	Description	T	Common	Routine	L_File
	Threat antenna gain ratio.		-		L REFENIMT
TRIM	Gravity offset in degrees.		/AUTO/	AUTO3	LAIR
			/AUTO/		L REFAIR
			/AUTO/		L REFAIR
TRMIX	Percent of major aspect density type		/DISTYP/		L_CORE
	in mixed regions.		/DISTYP/		LREFENMT
	Olmo of numbers of the norms of the		/DISTYP/		L REFENANT
TVID	Time of arrival of the complex video		/PRECV/	COMPVD	L_COMVID
	signal edge (microseconds).		/PRECV/	MODPLX M	_
THATHAD	Pages Will assess to seeke		/PRECV/	MODXM3 M SETUP M	L MONO L CONTRL
TM TEMM	Decoy TWT output in watts.		/DCOY/		L CORE
USPM	Two-way signal travel time in		/CONST/		L COMVID
uo m	microseconds/meter.		/CONST/	RGTRAK	L COMVID
	microsecords/merer.		/CONST/	SETUP	L CONTRL
			/CONST/	INITR	L CORE
			/CONST/		L CORE
			/CONST/		L CORE
VARB IN	Array of variable bins to save data		/VTEST1/		L CONTRL
	for restart.				L CONTRL
VDOAZ			/CV/		L COMVID
	azimuth difference video.	••	, ,		***
VDOEL	Real array equivalent to "CVDOEL", elevation difference video.	R	/CV/	COMPVD M	r_comvid
VEL	Missile velocity vector in meters/	R	/KINE/	RGTRAK	L COMVID
	second.		/KINE/	SETUP	L CONTRL
			/KINE/	INITC M	L CORE
		R	/KINE/	INITE	L CORE
			/KINE/	KINE2	LREFAIR
VID	Real array equivalent to "CVID",		/PRECV/	COMPVD M	L COMVID
	complex video sum "deltas".	R	/CV/	RGTRAK	L COMVID
		R	/PRECV/	MODPLX M	L_COSRO
			/PRECV/	MODXM3 M	
VIDA	Equivalenced to "CVDOAZ".		/CV/		L_REFSEEK
VIDAZ	Real array equivalent to "CVIDAZ",		/PRECV/		T_COMAID
	azimuth difference video.		/PRECV/	MODXM3 M	
VIDE	Equivalenced to "CVDOEL".		/CV/	_	L_REFSEEK
VIDEL	Real array equivalent to "CVIDEL",		/PRECV/		r_comaid
	elevation difference video.		/PRECV/	MODXM3 M	_
VIDEO	Peak envelope of the composite video		/CV/		L_COMVID
	signal in volts.		/AGC/		L COMVID
			/AGC/		L_COMVID
			/AGC/	PLOTIT	L CORE
			/AGC/	AGC 2	LREFSEEK
			/AGC/	DEMOD2	LREFSEEK
		R	/AGC/	LOCK2	LREFSEEK

APPENDIX B - ECMAPP Cross-Reference/Glossary (Continued)

Symbol	Description	T	_		)	L File
<del></del>			/200/	W 2027		
TIT PANUS	Commence of the selder materials		/AGC/	MINLOCK		L_REFSEEK
ATTM/YS	Square of the video saturation		/CV/	M3SATV		L REFSEEK
	amplitude (magnitude).		/CV/			L REFSEEK
VIDS	Equivalenced to "CVIDEO".		/CV/			L REFSEEK
VND	AGC noise voltage in volts.		/AGC/		M	L COMVID
120170	too to the been 10 of the 100 stands		/AGC/	AGC2		LREFSEEK
VOUT	Log to the base 10 of the AGC signal	K	/AGC/	PLOTIT		L LOCAL L CORE
	in volts.	N D	/AGC/	PLOTIT		L REFSEEK
1.FRUDCU	Patagatian throughold in walte	מ	/MNLK/	MUCZ .		L_REFSEER L_COMVID
ATUKSU	Detection threshold in volts.	K	/MNLK/	INITS	M	L COMVID
			/MNLK/		м	
			/MNLK/		173	L REFSEEK
WALE CAL	Daday (much speth in metars					L REFENMET
MATEN	Radar wavelength in meters.		/MPBLK2/		171	L REFENOMT
WATEMC	TMC baight in mateur		•		м	_
MVAHAD	RMS wave height in meters.		/MPBLK5/		CT.	L REFENANT
WX	Y component of wind in knots			INIT2	м	L REFENMT
MV	X component of wind in knots.		/DCOY/		М	L REFTGT
			/DCOY/			L REFTGT
WY	Y component of wind in knots.		/DCOY/		_	L CORE
MI	r component of wind in knots.		/DCOY/		П	L REFTGT
		7 0	/DCOY/	DECOY		L REFTGT
x	X integrator array. See		/INT/	PLOTIT		L LOCAL
^	also APPENDIX D.		/INT/		_	L COMVID
	disp attendia o.	2	/INT/	RGATE	1-1	L COMVID
		P	/INT/		M	r_comaid
			/INT/	ASSESS	1-1	L CONTRL
			/INT/		M	L CONTRL
			/INT/	HEDER2	••	L CORE
			/INT/		M	L CORE
			/INT/	PLOTIT		L CORE
			/INT/	DLPLSE		L REFECM
			/INT/	MLTPTH		L REFENMET
			/INT/	AGC2		L REFSEEK
			/INT/		M	LREFSEEK
			/INT/			L REFSEEK
			/INT/	DEMOD2	-	L REFSEEK
			/INT/		M	L REFSEEK
			/INT/	DISH2		LREFSEEK
			/INT/		M	L REFSEEK
			/INT/			L REFSEEK
			/INT/	MNLOCK		L REFSEEK
XIMAG	Imaginary part of the multipath		/MPATHI/			L COSRO
_	factor.		/MPATHI/			L MONO
			•		M	L REFENVMT
		•	, :=:::::/		 	

AFPENDIX B - ECMAPP Cross-Reference/Glossary (Continued)

Symbol	Description	T	Common	Routine	L_File
XL	Lower limits for X array integrators.				L_CORE
XLMDA	Wavelength in meters.		/SKRENV/		L_COMVID
			/SKRENV/		LCONTRL
			/SKRENV/		L_CONTRL
			/SKRENV/		LCORE
			/SKRENV/		LCORE
_			/SKRENV/		LECM
XLMDA2	Wavelength**2 in meters**2.		/SKRENV/		LCORE
			/SKRENV/		LREFSEEK
XLS	Lower limits for X array integrators		/INT/		L_COMVID
	in search mode.	R	/INT/	rgtrak	L_COMVID
		R	/INT/	INITC M	LCORE
		R	/INT/	INT2	L REFSEEK
XLT	Lower limits for X array integrators	R	/INT/	INITS M	L_COMVID
	in terminal mode.	R	/INT/	INITC M	LCORE
		R	/INT/	INT2	L REFSEEK
XM	Missile X position in meters.	R	/ASE/	MAIN	LLOCAL
	-	R	/ASE/	PLOTIT	LLOCAL
		R	/ASE/	RGATE	LCOMVID
		R	/ASE/	SETUP	LCONTRL
		R	/ASE/	INITC M	LCORE
		R	/ase/	INITE	LCORE
		R	/ASE/	INITHR	LREFAIR
		R	/ASE/	INITMS	LREFAIR
		R	/ASE/	TARANG	L REFENVMT
		R	/ASE/	INT2 M	L REFSEEK
<b>XMEAN</b>	Rayleigh mean time between emitter	R	/DCOY/	INITD	LTCORE
	pulses in microseconds.	R	/DCOY/	INIT2 M	LCORE
XREAL	Real part of the multipath factor.	R	/MPATHI/	MODPLX	LCOSRO
	•	R	/MPATHI/	MODXM3	L MONO
		R	/MPATHI/	MLTPTH M	L REFENVMT
XU .	Upper limits for X array integrators.	R	/INT/	INITS M	L COMVID
	• •	R	/INT/	INITC M	L CORE
		R	/INT/	DISH2	LREFSEEK
XUS	Upper limits for X array integrators		/INT/	INITS M	LCOMVID
	in search mode.	R	/INT/	rgtrak	L COMVID
		R	/INT/	INITC M	LCORE
		R	/INT/	INT2	LREFSEEK
TUX	Upper limits for X array integrators	R	/INT/	INITS M	LCOMVID
	in terminal mode.		/INT/	INITC M	LCORE
			/INT/	INT2	LREFSEEK
Y	Two dimensional array containing		•		L REFENUMT
	correlated gaussian processes.				L REFENVMT
YAW	Previous value of body yaw in radians				LREFAIR
	• •		/KINE/		LREFAIR
			/KINE/		LREFAIR
	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~				

APPENDIX B - ECMAPP Cross-Reference/Glossary (Continued)

Symbol	Description	T	Common	Routine	L_File
YDPGAN	Yaw differential channel processing		/CDOTPR/		L REFSEEK
unnn	gain.				L REFSEEK
YERR	Seeker yaw error signal.		/ASYER/		L REFSEEK
YGS	Correlated gaussian process.		/RNDPR2/		L CORE
			/RNDPR2/		L REFENVMT
			/RNDPR2/		L REFENVMT
			/RNDPR2/ /RNDPR2/		L REFENVMT
			/RNDPR2/		L REFENOMT
			/RNDPR2/		L REFENVMT
ΥM	Missile Y position in meters.		/ASE/	PLOTIT	L LOCAL
Ti.1	missize i posicion in meters.		/ASE/	RGATE	L COMVID
			/ASE/	SETUP	L CONTRL
			/ASE/		L CORE
			/ASE/	INITE	L CORE
			/ASE/	PLOTIT	L CORE
			/ASE/		L REFSEEK
YSB	Target yaw angle off boresight in		/SKRENV/		L LOCAL
	degrees.		/SKRENV/		L COMVID
	44, 400.		/SKRENV/		L COSRO
			/SKRENV/		L MONO
			/SKRENV/		L REFENVMT
ZM	Missile 2 position in meters.		/ASE/	MAIN	L LOCAL
	The second of th		/ASE/	AUTO3	LAIR
			/ASE/	RGATE	L COMVID
			/ASE/	SETUP	L CONTRL
			/ASE/		L CORE
		R	/ASE/	INITE	LCORE
			/ASE/	PLOTIT	LTCORE
			/ASE/	AUTO2	LREFAIR
		R	/ASE/	INITHR	LREFAIR
			/ASE/	INITMS	LTREFAIR
		R	/ASE/	MLTPTH	L_REFENVMT
			/ASE/		L_REFSEEK
ZMAGD	Magnitude of multipath coefficient.		/MPATHI/		LCORE
				PLOTIT M	
			•	ECMAMP M	_
		R	/MPATHI/	MLTPTH M	LREFENVMT

APPENDIX C - SLOAPP Cross-Reference/Glossary

ACON   Constant part of one-way range equation: 300.*XIMDA**2/P14**2   R /SKRENV   AVGDAT   CONVID   R /SKRENV   SETUP   R /SKRENV   SETUP   R /SKRENV   MODELX   CONVID   R /APCONS / SETUP   R /APCONS / SET	Symbol	Description	T	Common	Routine	L_File
ACTOON Square root of the constant part of one-way range equation.  ACTOON Square root of the constant part of one-way range equation.  ACTOON Square root of the constant part of one-way range equation.  ACTOON Square root of the constant part of R /ARCONS/ ANGDAT L CONTRL CONTRL R /ARCONS/ SETUP R /ARCONS/ MODDM3 L CONTRL CONTRL R /ARCONS/ MODDM3 L CONTRL L CONTRL R /ARCONS/ MODDM3 M L CONTRL R /ARCONS/ MODDM3 M L REFSEEK R /MT2PA /ANTIQ L REFSEEK R /MT	ACON	Constant part of one-way range	R	/SKRENV/	INITS M	L COMVID
ACTCON Square root of the constant part of R /APCONS/ AVGDAT L CONTRL CONTRL R /APCONS/ MODMA3 L CONTRL L CONTR		equation: 300.*XLMDA**2/PI4**2	R	/SKRENV/	AVGDAT	LCONTRL
ACTCON Square root of the constant part of R /APCONS/ AVGDAT L CONTRL CONTRL R /APCONS/ MODMA3 L CONTRL L CONTR		•	R	/SKRENV/	SETUP	LCONTRL
ACTCON Square root of the constant part of one-way range equation.  R /APCONS/ MCDM3 R /APCONS/ MODM3 R /APC			R	/SKRENV/	MODPLX	LCOSRO
AE Work vector for scintillation model.  AERR Azimuth error signal in degrees/ second.  AERR Azimuth error signal in degrees/ R /MCSAS/ INITE M L CORE R /MCSAS/ INITE M L CORE R /MCSAS/ MERCS M L REFERIMT R /PARAM/ INITS M L CONVID R /PARAM/ DISHM M L REFSEEK R /PARAM/ DISHM M L REFAIR R /PARAM/ DISHM M L REFERIMMT	ACTCON	Square root of the constant part of	R	/APCONS/	AVGDAT	
AE Work vector for scintillation model.  AERR Azimuth error signal in degrees/ second.  AERR Azimuth error signal in degrees/ R /PARAM/ DISH2 M L REFSEEK AGCCON Natural logarithm of 10.  AI Work vector for scintillation model.  ALPH Missile angle of attack in degrees.  ALTMC Midcourse altimeter setting in meters.  AL		one-way range equation.	R	/APCONS/	SETUP	LCONTRL
AER Work vector for scintillation model. R /MCSAS/ INITE M L CORE R /MCSAS/ AMBRCS M L REFERENT AERR Azimuth error signal in degrees/ R /PARAM/ DISH2 M L REFSEEK R /PARAM/ DISH3 M L REFSEEK R /MCSAS/ AMBRCS M L REFSEEK R /AIRSKR/ INITS M L REFSEEK R /AIRSKR/ INITS M L REFAIR R /AIRSKR/ INITS M L REFAIR R /AIRSKR/ INITS M L REFSEEK R /AIRSKR/ INITS M L REFS			R	/APCONS/	MODXM3	L MONO
AERR Azimuth error signal in degrees/ R /PARAM/ DISH2 M L COMVID Second. R /PARAM/ DISH2 M L COMVID SECOND. Natural logarithm of 10. R /AGC/ INITS M L COMVID R /AGC/ AGC2 L REFSEEK R /PARAM/ DISH3 M L REFSEEK R /AGC/ AGC2 L REFSEEK R /AGC/ AGC2 L REFSEEK R /AGC/ AGC2 L REFSEEK R /MCSAS/ AMERCS M L REFENWT R /AIRSKR/ PLOTIT L LOCAL R /AIRSKR/ PLOTIT L LOCAL R /AIRSKR/ AERO3 L REFAIR R /AIRSKR/ AERO3 L REFAIR R /AIRSKR/ AERO3 L REFAIR R /AIRSKR/ INITHS M L REFAIR R /AITO/ AUTO3 L AIR L REFEINMT ANGTST. R /MPBLK6/ ANGTST M L REFEINMT R /MPBLK6/ ANGTST M L REFEINMT R /MPBLK6/ ANGTST M L REFEINMT R /MTERP/ MLTPTH M L REFEINMT R /INTERP/ MLTPTH M L REFEINMT R /INTERP/ ANTIN2 L REFEINMT R /INTERP/ ANTIN2 L REFSEEK R			R	/APCONS/	M3TRGI M	LREFSEEK
AERR Azimuth error signal in degrees/ R /PARAW/ DISH2 M L REFSEEK R /PARAW/ DISH3 M L REFFAIR R /PARAW/ DISH3 M L REFFRINGT	AE	Work vector for scintillation model.	R	/MCSAS/	INITE M	LCORE
Second.  R /PARAM/ DISH2 M L_REFSEEK R /PARAM/ DISHM M L_R			R	/MCSAS/	AMERCS M	L REFENVMT
Second.  R /PARAM/ DISH2 M L_REFSEEK R /PARAM/ DISHM M L_R	AERR	Azimuth error signal in degrees/	R	/PARAM/	INITS M	LCOMVID
AGCCON Natural logarithm of 10.  R /AGC/ R /AGC LEFSEEK  R /MCSAS/ R /MCSAS/ R /MCSAS/ AMERCS M L REFSEEK  R /MCSAS/ AMERCS M L REFSEEK  R /MCSAS/ AMERCS M L REFSEENTMT  R /AIRSKR/ INITS L COMVID  R /AIRSKR/ INITS M L REFAIR  R /AIRSKR/ INITHS M L REFAIR  R /AIRSKR/ INITHS M L REFAIR  R /AIRSKR/ INITS M L REFEINMT  R /AIRSKR/ INITS M L CORE  R /SCINT/ INITS M L CORE  R /SCINT/ INITS M L REFEINMT  AUTOCON Gain for PSID feedback circuit. See R /AUTO/ AUTO3 L TARN  AUTOCON Gain for PSID feedback circuit. See R /AUTO/ AUTO3 L TARN  AUTOCON Gain for PSID feedback circuit. See R /AUTO/ AUTO3 L TARN  AUTOCON AUTO3 L TARN  I REFSEEK  R /INTERP/ MODAM M L TESTEEN  R /INTERP/ MODAM M L TEST			R	/PARAM/	DISH2 M	LREFSEEK
AGCCON Natural logarithm of 10.  R /AGC/ R /AGC LEFSEEK  R /MCSAS/ R /MCSAS/ R /MCSAS/ AMERCS M L REFSEEK  R /MCSAS/ AMERCS M L REFSEEK  R /MCSAS/ AMERCS M L REFSEENTMT  R /AIRSKR/ INITS L COMVID  R /AIRSKR/ INITS M L REFAIR  R /AIRSKR/ INITHS M L REFAIR  R /AIRSKR/ INITHS M L REFAIR  R /AIRSKR/ INITS M L REFEINMT  R /AIRSKR/ INITS M L CORE  R /SCINT/ INITS M L CORE  R /SCINT/ INITS M L REFEINMT  AUTOCON Gain for PSID feedback circuit. See R /AUTO/ AUTO3 L TARN  AUTOCON Gain for PSID feedback circuit. See R /AUTO/ AUTO3 L TARN  AUTOCON Gain for PSID feedback circuit. See R /AUTO/ AUTO3 L TARN  AUTOCON AUTO3 L TARN  I REFSEEK  R /INTERP/ MODAM M L TESTEEN  R /INTERP/ MODAM M L TEST			R	/PARAM/	DISHM M	L REFSEEK
ALPH Work vector for scintillation model.  ALPH Missile angle of attack in degrees.  R /AIRSKR/ PLOTIT L LOCAL R /AIRSKR/ AERO2 L REFAIR R /AIRSKR/ AERO2 L REFAIR R /AIRSKR/ INITHE M L REFAIR R /AIRSKR/ INTO M L REFSEEK R /AIRSKR/ AERO2 L REFAIR R /AIRSKR/ INTO M L REFSEEK R /AIRSKR/ INTO M L REFSEEK R /AIRSKR/ INTO M L REFSEEK R /AIRSKR/ AERO2 L REFAIR R /AIRSKR/ INTO M L REFSEEK R /AIRSKR/ INTO M L REFSEEK R /AIRSKR/ INTO M L REFSEEK R /AIRSKR/ AERO2 L REFAIR R /AIRSKR/ INTO M L REFSEEK R /AIRSKR/ AERO2 L REFAIR R /AIRSKR/ INTO M L REFSEEK R /AIRSKR/ INTO M L REFSEEM R /AIRSKR/ INTO M L REFSEEK R /AIRSKR/	AGCCON	Natural logarithm of 10.				L_COMVID
ALPH Missile angle of attack in degrees.  R /MCSAS/ MMERCS M LTREFENWTT L LOCAL R /AIRSKR/ PLOTIT L LOCAL R /AIRSKR/ AERO3 L REFAIR R /AIRSKR/ AERO3 L REFAIR R /AIRSKR/ AERO3 L REFAIR R /AIRSKR/ INITHS M L REFAIR R /AIRSKR/ INITMS M L REFAIR R /AUTO/ AUTO3 L AIR R /AUTO/ INITHS M L REFAIR R /AUTO/ INITHS M L REFAIR R /AUTO/ INITHS M L REFAIR R /AUTO/ INITHS M L REFENWIT R /MFBLK6/ MPINIT M L REFENWIT R /MFBLK6/ MPINIT M L REFENWIT R /INTERP/ MCDMM3 M L MONO R /INTERP/ ANTIS M L REFSEEK R /INTERP/ ANTIS M L COMMID R /INTERP/ ANTIS M L REFSEEK R /INTERP/ ANTIS M		•	R	/AGC/	AGC2	LREFSEEK
ALPH Missile angle of attack in degrees.  R /MCSAS/ MMERCS M LTREFENWTT L LOCAL R /AIRSKR/ PLOTIT L LOCAL R /AIRSKR/ AERO3 L REFAIR R /AIRSKR/ AERO3 L REFAIR R /AIRSKR/ AERO3 L REFAIR R /AIRSKR/ INITHS M L REFAIR R /AIRSKR/ INITMS M L REFAIR R /AUTO/ AUTO3 L AIR R /AUTO/ INITHS M L REFAIR R /AUTO/ INITHS M L REFAIR R /AUTO/ INITHS M L REFAIR R /AUTO/ INITHS M L REFENWIT R /MFBLK6/ MPINIT M L REFENWIT R /MFBLK6/ MPINIT M L REFENWIT R /INTERP/ MCDMM3 M L MONO R /INTERP/ ANTIS M L REFSEEK R /INTERP/ ANTIS M L COMMID R /INTERP/ ANTIS M L REFSEEK R /INTERP/ ANTIS M	AI	Work vector for scintillation model.	R	/MCSAS/	INITE M	L CORE
R /AIRSKR/ AERO2 L REFAIR R /AIRSKR/ AERO3 L REFAIR R /AIRSKR/ AERO3 L REFAIR R /AIRSKR/ AERO3 L REFAIR R /AIRSKR/ AIROSK INITHS M L REFAIR R /AIRSKR/ INITHS M L REFAIR R /AIRSKR/ INITHS M L REFAIR R /AIRSKR/ INTO M L REFAIR R /AIRSKR/ INTO M L REFAIR R /AIRSKR/ INTO M L REFAIR R /AIRO/ AUTO3 L AIR AUTO/ INITHS M L REFAIR R /AUTO/ INITHS M L REFENWIT R /AUTO/ INITHS M L REFENWIT R /MFBLK6/ MPINIT M L REFENWIT R /MFBLK6/ MPINIT M L REFENWIT R /INTERP/ MODMM3 M L MONO R /INTERP/ MODMM3 M L REFENWIT R /INTERP/ MODMM3 M L REFERWIT R /INTERP/ MITTEN M L CONVID R /COOY/ AZPAT L REFERMIT R /AIRSKR/ INTEN M L CONE R /SCINT/ INTEN M L CORE R /SCINT/ INTEN M L CORE R /SCINT/ TARANG M L REFERMIT AUTOON Gain for PSID feedback circuit. See					AMERCS M	L REFENVMT
R /AIRSKR/ AERO2 L REFAIR R /AIRSKR/ AERO3 L REFAIR R /AIRSKR/ AERO3 L REFAIR R /AIRSKR/ AERO3 L REFAIR R /AIRSKR/ AIROSK INITHS M L REFAIR R /AIRSKR/ INITHS M L REFAIR R /AIRSKR/ INITHS M L REFAIR R /AIRSKR/ INTO M L REFAIR R /AIRSKR/ INTO M L REFAIR R /AIRSKR/ INTO M L REFAIR R /AIRO/ AUTO3 L AIR AUTO/ INITHS M L REFAIR R /AUTO/ INITHS M L REFENWIT R /AUTO/ INITHS M L REFENWIT R /MFBLK6/ MPINIT M L REFENWIT R /MFBLK6/ MPINIT M L REFENWIT R /INTERP/ MODMM3 M L MONO R /INTERP/ MODMM3 M L REFENWIT R /INTERP/ MODMM3 M L REFERWIT R /INTERP/ MITTEN M L CONVID R /COOY/ AZPAT L REFERMIT R /AIRSKR/ INTEN M L CONE R /SCINT/ INTEN M L CORE R /SCINT/ INTEN M L CORE R /SCINT/ TARANG M L REFERMIT AUTOON Gain for PSID feedback circuit. See	ALPH	Missile angle of attack in degrees.	R	/AIRSKR/	PLOTIT	LLOCAL
R /AIRSKR/ AERO3 L REFAIR R /AIRSKR/ INITHR M L REFAIR R /AIRSKR/ INITMS M L REFAIR R /AIRSKR/ INITMS M L REFAIR R /AIRSKR/ INT2 M L REFAIR R /AIRSKR/ INTER M L REFEAR R /AITSKR/ R /AITSKR R /AIT		-	R	/AIRSKR/	INITS	L COMVID
R /AIRSKR/ INITHR M L REFAIR R /AIRSKR/ KINE2 L REFAIR R /AUTO3 L AIR R /AUTO4 AUTO2 L REFAIR R /AUTO5 INITHR M L REFAIR R /AUTO6 INITHR M L REFAIR R /AUTO6 AUTO8 L AIR R /AUTO7 INITHR M L REFAIR R /AUTO7 INITHR M L REFAIR R /AUTO7 INITHR M L REFAIR R /AUTO8 AUTO8 L AIR R /AUTO9 AUTO8 L AIR R /AUTO9 AUTO8 L AIR R /AUTO9 AUTO8 L REFAIR R /AUTO9 AUTO8 L REFAIR R /AUTO9 AUTO8 INITHR M L REFAIR R /AIRSKR/ KINE2 L REFAIR R /AIRSKR/ KINE2 L REFAIR R /AIRSKR/ KINE2 L REFAIR R /AUTO9 AUTO8 L REFAIR R /AIRSKR/ KINE2 L REFAIR R /AUTO9 AUTO8 L REFAIR R /AIRSKR/ KINE2 L REFAIR R /AIRSKR/ KINE2 L REFAIR R /AUTO9 AUTO8 L REFAIR R /AIRSKR/ KINE2 L REFAIR R /AUTO9 AUTO8 L REFAIR R /AIRSKR/ KINE2 L REFAIR R /AUTO9 AUTO8 L REFAIR R /AIRSKR/ KINE2 L REFAIR R /AUTO9 AUTO8 L REFAIR R /AUTO9 A			R	/AIRSKR/	AERO2	L REFAIR
ALTMC Midcourse altimeter setting in meters.  ALTMC Midcourse altimeter setting in meters.  ANGPSI Previous value of PSISPC; used in ANGTST.  ANTAZ Azimuth angle for which interpolation is to be done in degrees.  ANTEL Elevation angle for which interpolation is to be done in degrees.  APAT Decoy azimuth antenna pattern array.  APAT Decoy azimuth antenna pattern array.  ASP Previous value of aspect angle in degrees.  R /ALTO/ AUTO3 L AIR  R /AUTO/ AUTO3 L AIR  R /AUTO/ NUTO3 L AIR  R /AUTO/ INITHS M L REFAIR  R /AUTO/ INITHS M L REFENVMT  R /INTERP/ MCDXM3 M L MCNO  R /INTERP/ MODXM3 M L MCNO  R /INTERP/ MUTPTH M L REFENVMT  R /INTERP/ ANTI12 M L REFSEEK  R /			R	/AIRSKR/	AERO3	LREFAIR
ALTMC Midcourse altimeter setting in meters.  ALTMC Midcourse altimeter setting in R /AUTO/ AUTO3 L AIR L REFAIR R /AUTO/ INITHS M L REFAIR R /AUTO/ AUTO3 L AIR L REFERITION L REFERENT M R /MPBLK6/ MPINIT M L REFERENT M R /INTERP/ MODIM M L MONO R /INTERP/ ANTI2 M L REFERENT R /INTER			R	/AIRSKR/	INITHR M	L REFAIR
ALTMC Midcourse altimeter setting in meters.  ALTMC Midcourse altimeter setting in R /AUTO/ AUTO2 L REFAIR R /AUTO/ INITHR M L REFAIR R /AUTO/ INITHS M L REFAIR R /AUTO/ INITMS M L REFAIR R /AUTO/ INITMS M L REFAIR R /MFBLK6/ ANGTST M L REFENDMT R /MFBLK6/ ANGTST M L REFENDMT R /INTERP/ MODM3 M L MONO R /INTERP/ ANTI2 M L REFSEEK R /INTERP/ ANTI2 M L R			R	/AIRSKR/	INITMS M	LREFAIR
ALTMC Midcourse altimeter setting in meters.  R /AUTO/ AUTO2 L REFAIR R /AUTO/ INITHR M L REFAIR R /AUTO/ INITHS M L REFENANT R /MPBLK6/ ANCTST M L REFENANT R /MPBLK6/ ANCTST M L REFENANT R /MPBLK6/ ANCTST M L REFENANT R /INTERP/ MODAM3 M L MONO R /INTERP/ ANTIL M L REFERENT R /INTERP/ ANTIL M L REFERENT R /INTERP/ ANTIL M L REFENANT R /INTERP/ ANTIL M L REFERENT			R	/AIRSKR/	KINE2	LREFAIR
meters.  R /AUTO/ AUTO2 L REFAIR R /AUTO/ INITHS M L REFENVMT R /MPBLK6/ ANGTST M L REFENVMT R /INTERP/ MODAM3 M L MONO R /INTERP/ ANTI2 M L REFSEEK R			R	/AIRSKR/	INT2 M	L_REFSEEK
ANGEST Previous value of PSISPC; used in ANGIST.  ANTAZ Azimuth angle for which interpolation is to be done in degrees.  ANTEL Elevation angle for which interpolation is to be done in degrees.  APAT Decoy azimuth antenna pattern array.  ASP Previous value of aspect angle in degrees.  ANTEL Elevation angle for which interpolation is to be done in degrees.  APAT Decoy azimuth antenna pattern array.  ASP Previous value of aspect angle in degrees.  ASP Previous value of aspect angle in degrees.  ANTEL Elevation angle for which interpolation and the polation is to be done in degrees.  APAT Decoy azimuth antenna pattern array.  ASP Previous value of aspect angle in degrees.  ASP Previous value of aspect angle in degrees.  ANTEL Elevation angle for which interpolation angle for whic	ALTMC					_
ANGPSI Previous value of PSISPC; used in ANGTST.  ANTAZ Azimuth angle for which interpolation is to be done in degrees.  ANTEL Elevation angle for which interpolation is to be done in degrees.  ANTEL Elevation angle for which interpolation is to be done in degrees.  APAT Decoy azimuth antenna pattern array.  APAT Decoy azimu		meters.				
ANGPSI Previous value of PSISPC; used in ANGTST.  ANTAZ Azimuth angle for which interpolation is to be done in degrees.  ANTEL Elevation angle for which interpolation is to be done in degrees.  ANTEL Elevation angle for which interpolation is to be done in degrees.  APAT Decoy azimuth antenna pattern array.  APAT Decoy azimuth antenna pattern array.  ASP Previous value of aspect angle in degrees.  ASP Previous value of aspect angle in degrees.  ANTEL Elevation angle for which interpolation is to be done in degrees.  APAT Decoy azimuth antenna pattern array.  ASP Previous value of aspect angle in degrees.  ASP Previous value of aspect angle in degrees.  AUTOGN Gain for PSID feedback circuit. See  R /AUTO/ AUTO3 L AIR						
ANTAZ Azimuth angle for which interpolation is to be done in degrees.  ANTEL Elevation angle for which interpolation is to be done in degrees.  ANTEL Elevation angle for which interpolation is to be done in degrees.  ANTEL Elevation angle for which interpolation is to be done in degrees.  APAT Decoy azimuth antenna pattern array.  APAT Decoy azimuth antenna pattern array.  APAT Previous value of aspect angle in degrees.  APAT Previous value of aspect angle in degrees.  APAT Decoy azimuth antenna pattern array.  ASP Previous value of aspect angle in degrees.  ASP Previous value of aspect angle in degrees.  AUTOCN Gain for PSID feedback circuit. See R /AUTO/ AUTO3 L AIR				•		_
ANTAZ Azimuth angle for which interpolation is to be done in degrees.  R /INTERP/ MODAM3 M L MONO R /INTERP/ ANTI2 M L REFENANT R /INTERP/ ANTNA2 L REFSEEK R /INTERP/ ANTNA2 L REFSEEK R /INTERP/ MODAM3 M L MONO R /INTERP/ MODAM3 M L MONO R /INTERP/ MODAM3 M L MONO R /INTERP/ ANTNA2 L REFSEEK R /DCOY/ INITS M L COMVID R /DCOY/ AZPAT L REFECM ASP Previous value of aspect angle in degrees. R /SCINT/ INITE M L CORE R /SCINT/ INITE M L CORE R /SCINT/ TARANG M L REFENANT AUTOON Gain for PSID feedback circuit. See	ANGPS I			-		
ANTEL Elevation angle for which interpolation is to be done in degrees.  ANTEL Elevation angle for which interpolation is to be done in degrees.  APAT Decoy azimuth antenna pattern array.  APAT Decoy azimuth antenna pattern array.  ASP Previous value of aspect angle in degrees.  ASP Previous value of aspect angle in degrees.  ASP Previous value of aspect angle in degrees.  AUTOON Gain for PSID feedback circuit. See  R /INTERP/ MLTPTH M L REFERNMT R /INTERP/ MODXM3 M L MONO R /INTERP/ ANTIQ M L REFSEEK R /INTERP/ ANTIQ L REFSEEK R /DCOY/ AZPAT L REFECM R /SCINT/ INITE M L CORE R /SCINT/ INITE M L CORE R /SCINT/ TARANG M L REFENMT AUTOON Gain for PSID feedback circuit. See						
ANTEL Elevation angle for which interpolation is to be done in degrees.  APAT Decoy azimuth antenna pattern array.  ASP Previous value of aspect angle in degrees.  R /INTERP/ ANTNA2 L REFSEEK R /INTERP/ MUTPTH M L REFENMT R /INTERP/ ANTNA2 L REFSEEK R /INTERP/ ANTNA2 L REFSEEK R /INTERP/ ANTNA2 L REFSEEK R /DCOY/ AZPAT L REFECM R /DCOY/ AZPAT L REFECM R /SCINT/ INITD M L CORE R /SCINT/ INITE M L CORE R /SCINT/ TARANG M L REFENMT AUTOON Gain for PSID feedback circuit. See R /AUTO/ AUTO3 L AIR	ANIAZ			•		
ANTEL Elevation angle for which interpolation is to be done in degrees.  APAT Decoy azimuth antenna pattern array.  ASP Previous value of aspect angle in degrees.  ASP Previous value of aspect angle in degrees.  ASP Previous value of aspect angle in degrees.  AUTOON Gain for PSID feedback circuit. See  R /INTERP/ ANTNA2 L REFSEEK R /INTERP/ MCDOWN L REFSEEK R /INTERP/ MCDOWN L REFSEEK R /INTERP/ MODXM3 M L REFSEEK R /INTERP/ MITTIN L REFSEEK R /INTERP/ MODXM3 M L REFSEEK R /INTERP/ MODXM3 M L REFSEEK R /INTERP/ MITTIN L REFSEEK R /INTERP/ M		tion is to be done in degrees.				
ANTEL Elevation angle for which interpolation is to be done in degrees.  R /INTERP/ MODAM3 M L_MONO R /INTERP/ MLTPTH M L_REFERVMT R /INTERP/ ANTI2 M L_REFSEEK R /INTERP/ ANTNA2 L_REFSEEK R /INTERP/ ANTNA2 L_REFSEEK R /INTERP/ ANTNA2 L_REFSEEK R /DCOY/ AZPAT L_REFECM ASP Previous value of aspect angle in degrees.  R /SCINT/ INITE M L_CORE R /SCINT/ INITE M L_CORE R /SCINT/ TARANG M L_REFENVMT AUTOON Gain for PSID feedback circuit. See R /AUTO/ AUTO3 L_AIR				•		
tion is to be done in degrees.  R /INTERP/ MLTPTH M L REFENANT R /INTERP/ ANTI2 M L REFSEEK R /INTERP/ ANTNA2 L REFSEEK R /INTERP/ ANTNA2 L REFSEEK R /DCOY/ INITS M L COMVID R /DCOY/ AZPAT L REFECM ASP Previous value of aspect angle in degrees.  R /SCINT/ INITE M L CORE R /SCINT/ INITE M L CORE R /SCINT/ TARANG M L REFENANT AUTOON Gain for PSID feedback circuit. See R /AUTO/ AUTO3 L AIR	1150			•		_
R /INTERP/ ANTI2 M L REFSEEK R /INTERP/ ANTNA2 L REFSEEK R /DCOY/ INITS M L COMVID R /DCOY/ AZPAT L REFECM ASP Previous value of aspect angle in degrees. R /SCINT/ INITE M L CORE R /SCINT/ INITE M L CORE R /SCINT/ TARANG M L REFENVMT AUTOGN Gain for PSID feedback circuit. See R /AUTO/ AUTO3 L AIR	ANTEL					
APAT Decoy azimuth antenna pattern array.  R /INTERP/ ANTNA2 L REFSEEK  R /DCOY/ INITS M L COMVID  R /DCOY/ AZPAT L REFECM  R /SCINT/ INITD M L CORE  R /SCINT/ INITE M L CORE  R /SCINT/ TARANG M L REFENMT  AUTOON Gain for PSID feedback circuit. See R /AUTO/ AUTO3 L AIR		tion is to be done in degrees.		•		
APAT Decoy azimuth antenna pattern array. R /DCOY/ INITS M L COMVID R /DCOY/ AZPAT L REFECM R /DCOY/ AZPAT L REFECM R /SCINT/ INITD M L CORE R /SCINT/ INITE M L CORE R /SCINT/ TARANG M L REFENMT AUTOON Gain for PSID feedback circuit. See R /AUTO/ AUTO3 L AIR						_
ASP Previous value of aspect angle in degrees.  ASP Previous value of aspect angle in R /SCINT/ INITD M L CORE R /SCINT/ INITE M L CORE R /SCINT/ TARANG M L REFENVMT AUTOON Gain for PSID feedback circuit. See R /AUTO/ AUTO3 L AIR						
ASP Previous value of aspect angle in R /SCINT/ INITD M L CORE R /SCINT/ INITE M L CORE R /SCINT/ TARANG M L REFENVMT AUTOGN Gain for PSID feedback circuit. See R /AUTO/ AUTO3 L AIR	APAT	becoy azimuch antenna pattern array.				
degrees.  R /SCINT/ INITE M L CORE R /SCINT/ TARANG M L REFENVMT AUTOGN Gain for PSID feedback circuit. See R /AUTO/ AUTO3 L AIR	100	Santana malan akan akan atau				
R /SCINT/ TARANG M L REFENVMT AUTOGN Gain for PSID feedback circuit. See R /AUTO/ AUTO3 L AIR	ASP	• • •				
AUTOGN Gain for PSID feedback circuit. See R /AUTO/ AUTO3 L AIR		deg rees.				
	21870	Cain for PCID foodback strauth Con				
disu appendix D. K / AUTO/ INITHE M L REFAIR	MUIUM					
		disu aprunuta u.	_ K	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	TMTTHK W	r_ustatk

APPENDIX C - SLCAPP Cross-Reference/Glossary (Continued)

Symbol	Description	T	Common	Routine	L_File
		R	/AUTO/	INITMS M	L REFAIR
ALTTOIL.	Lower limits for PSID, THTD, DELP, or		/AUTO/	INITHR M	_
7,0702	DELY. See also APPENDIX D.	R	/AUTO/	INITMS M	
	Dilli Dec also relation si	R	/AUTO/	INT2	L REFSEEK
AUTOU	Upper limits for PSID, THTD, DELP, or	P	/AUTO/	INITHR M	
70100	DELY. See also APPENDIX D.	R	/AUTO/	INITMS M	
	bedi bee also attended 5.	D	/AUTO/	INT2	L REFSEEK
AUX2	Equivalenced to "YERR" (yaw error	R	/ASYER/		L REFSEEK
	signal).				_
EXUA	Seeker pitch error signal (before filtering).	R	/CDOTPR/	DOTPR M	L_REFSEEK
AVRUF	Sea roughness accumulator.	R	/VTEST1/	AVGDAT M	L CONTRL
			/VTEST1/		L CORE
AZ	Angle of threat off decoy boresight		/DCOY/	ECMPAT M	_ ` -
	in azimuth degrees.				
AZDIFI	Azimuth difference pattern (imaginary	I	/PATRN4/	ANTI2	L_REFSEEK
	part).	I	/PATRN4/	ANTNA 2	
AZDIFR	Azimuth difference pattern (real		/PATRN3/		LREFSEEK
	part).		/PATRN3/		L_REFSEEK
BCON	Part of range equation:	R	/VCORE/	INITS M	L_COMVID
	550.*XLMDA**2/PI 4**2	R	/VCORE/	ECMAMP	LECM
BETA	Missile sideslip angle in degrees.	R	/AIRSKR/	PLOTIT	L_LOCAL
		R	/AIRSKR/	AERO2	L_REFAIR
			/AIRSKR/		LREFAIR
				INITHR M	
		R	/AIRSKR/	INITMS M	LREFAIR
		R	/AIRSKR/	KINE 2	L_REFAIR
		R	/AIRSKR/	INT2 M	L REFSEEK
BLOCKR	Array which holds the "signature"	I	/SIGNAT/	MAIN M	LLCCAL
	parameters for run.	I	/SIGNAT/	PLOTIT	LLCCAL
	•	I	/SIGNAT/	ASSESS	L CONTRL
		I	/SIGNAT/	RESTRT	L CONTRL
		I	/SIGNAT/	SUMMRY	L CONTRL
		I	/SIGNAT/	HEDER1	L CORE
BNOWTH	Bandwidth of the "pass-band" in	R	/MPBLK5/	MPINIT M	LREFENVMT
	radians/second.	R	/MPBLK5/	MPMAIN M	L REFENUMT
BSGAIN	Boresight antenna gain (voltage gain)	.R	/CBSGAN/	AVGDAT	L CONTRL
		R	/CBSGAN/	SETUP	L CONTRL
		R	/CBSGAN/	ECMAMP	LECM
		R	/CBSGAN/	MODXM3	L MONO
			/CBSGAN/		LREFSEEK
		R	/CBSGAN/	ANTI2 M	LREFSEEK
CKTM	Multiplier to convert knots to meters	/R	/CONST/	SETUP	LCONTRL
	second.		/CONST/	INITC M	LCORE
		R	/CONST/	INITE	L CORE
			/CONST/	INITR	L CORE
					-

NOTES: "M" column indicates variable is modified.
"T" column heading indicates type attribute.

APPENDIX C - SLOAFP Cross-Reference/Glossary (Continued)

Symbol I	Description	T	Common	Routine	L_File
		R	/CONST/	DECOY	L REFTGT
		R	/CONST/	SHIP	l_reftgt
CLSVEL C	Closing velocity. Will be needed for	R	/MPATHI/	SETUP	LCONTRL
•	"moving multipath".		/MPATHI/		LCORE
CNTFRQ F	RF spectrum center frequency in	R	/MPBLK5/	MPINIT M	LREFENVMT
Z	radians/second.	R	/MPBLK5/	MPMAIN	LREFENVMT
COELEV E	Elevation angle coefficient array.	R	/Baras/	INITE M	LCORE
		R	/Baras/	ELSTR	LREFENVMT
COSPSI E	Previous value of cosine of PSISPC;	R	/MPBLK6/	MPINIT M	LREFENVMT
	used in SIGTST.	R	/MPBLK6/	SIGTST M	LREFENVMT
CPICH I	Previous value of cosine of pitch.	R	/KINE/	INITHR M	LREFAIR
		R	/KINE/	INITMS M	L_REFAIR
		R	/KINE/	KINE2 M	L_REFAIR
	Multiplier to convert radians to	R	/CONST/	RGATE	L_COMVID
Ċ	degrees.	R	/CONST/	SETUP	L_CONTRL
		R	/CONST/	INITC M	L CORE
		R	/CONST/	INITE	LCORE
		R	/CONST/	KINE2	LREFAIR
		R	/CONST/	AMERCS	L REFENMT
			/CONST/	Switan	LREFENVMT
			/CONST/	TARANG	LREFENVMT
		R	/const/	TCORSC	LREFENVMT
		R	/CONST/	MLTPTH	LREFENVMT
		R	/const/	SCAN2	LREFSEEK
		R	/CONST/	INT2	L REFSEEK
		R	/CONST/	DECOY	L_REFTGT
		R	/CONST/	SHIP	LREFTGT
CSCAN (	Cosine of beam scanner angle.	R	/SCAN/	MODPLX	L_COSRO
		R	/SCAN/	MLTPTH	LREFENMIT
		R	/SCAN/	SCAN2 M	LREFSEEK
			/SCAN/	DEMOD2	L REFSEEK
CURLOC (	Current location.		/MNLK/	MNLCKI M	
			/MNLK/		LREFSEEK
CYAM I	Previous value of cosine of yaw.		/KINE/		L_REFAIR
			/KINE/		L REFAIR
			/KINE/		LREFAIR
	Angle of attack rate in degrees/		/AERO/		LREFAIR
8	second.		/AERO/		L REFAIR
			/AERO/		L_REFAIR
			/AERO/		L REFAIR
			/AERO/	INT2	LREFSEEK
DIBETA S	Sideslip rate in degrees/second.		/AERO/		LREFAIR
			/AERO/		L REFAIR
			/AERO/		L REFAIR
			/AERO/		LREFAIR
		R	/AERO/	INT2	LREFSEEK
		_			

APPENDIX C - SLOAPP Cross-Reference/Glossary (Continued)

Symbol Description	T Common	Routine L_File
DIDELP Elevator rate in degrees/second.	R /AUTO/	AUTO3 M L AIR
	R /AUTO/	AUTO2 M L REFAIR
	R /AUTO/	inithe m l refair
	R /AUTO/	initms m L refair
	R /AUTO/	INT2 L REFSEEK
DIDELY Rudder rate in degrees/second.	R /AUTO/	AUTO3 M L AIR
	R /AUTO/	AUTO2 M L REFAIR
	R /AUTO/	INITHR M L REFAIR
	R /AUTO/	initms m L refair
	R /AUTO/	INT2 L REFSEEK
DIPINT Pitch integrator input in degrees/	R /AUTO/	
second.	R /AUTO/	_
	R /AUTO/	
	r /auto/	initms m l refair
	r /auto/	INT2 L_REFSEEK
DIPSI Yaw rate in degrees/second.	r /aero/	AUTO3 L_AIR
•	r /aero/	AERO2 L_REFAIR
	r /aero/	AERO3 L_REFAIR
	r /aero/	AUTO2 L REFAIR
	R /AERO/	inithe m L repair
	r /aero/	initms m l'refair
	R /AERO/	INT2 M L REFSEEK
DIPSID Yaw base servo input in degrees/	R /AUTO/	AUTO3 M L'AIR
second.	R /AUTO/	
	R /AUTO/	INITHR M L REFAIR
	R /AUTO/	initms m L refair
	r /auto/	INT2 L REFSEEK
DIRALT Rate altimeter input in meters/	R /AUTO/	AUTO3 M L AIR
second.	R /AUTO/	AUTO2 M L REFAIR
	R /AUTO/	inithe m L Refair
	R /AUTO/	initms m L Refair
	R /AUTO/	INT2 L REFSEEK
DITHET Missile pitch rate in degrees/second	. R /AERO/	AUTO3 L'AIR
•	R /AERO/	AERO2 L REFAIR
	R /AERO/	AERO3 L REFAIR
	R /AERO/	AUTO2 L REFAIR
	R /AERO/	inithr m L refair
	R /AERO/	initms m L Refair
	R /AERO/	INT2 M L REFSEEK
DITHID Pitch base servo input in degrees/	R /AUTO/	AUTO3 M L AIR
second.	R /AUTO/	AUTO2 M L REFAIR
	R /AUTO/	INITHR M L REFAIR
	R /AUTO/	INITMS M L REFAIR
	R /AUTO/	INT2 L REFSEEK
DITHTL Yaw lead gyro rate in degrees/second	•	
	R /AUTO/	AUTO2 M L REFAIR

APPENDIX C - SLOAPP Cross-Reference/Glossary (Continued)

Symbol	Description	T	Common	Routine	L_File
		R	/AUTO/	INITHR M	L REFAIR
			/AUTO/	INITMS M	L REFAIR
		R	/AUTO/	INT2	LREFSEEK
D2PSI	Missile yaw acceleration in degrees/	R	/AERO/	AERO2 M	L REFAIR
	second**2.		/AERO/	AERO3 M	LREFAIR
		R	/AERO/	INITHR M	LREFAIR
		R	/AERO/	INITMS M	L REFAIR
			/AERO/	INT2	LREFSEEK
D2THET	Missile pitch acceleration in degrees,				l_refair
	second**2.		/AERO/		L REFAIR
			/AERO/		LREFAIR
			/AERO/	initms m	L REFAIR
			/AERO/	INT2	L REFSEEK
DAPT	Antenna azimuth difference pattern.		/PATSYM/	ANTI M	L REFSEEK
	Equivalenced to "CVDQAZ".		/CV/	DOTPR	l refseek
DECTON	Decoy turn on time in seconds after		/PARAM/		LCORE
	launch.		/Param/	DECOY	L_REFIGT
DELASP	Delta aspect angle in degrees.		/SCINT/	INITE M	LCORE
			/SCINT/	TARANG	L REFENUMT
DELP	Elevator angle in degrees.		/AERO/	PLOTIT	L_LOCAL
			/AERO/	AUTO3	LAIR
			/AERO/	AERO2	LREFAIR
			/AERO/		l_refair
			/AERO/		LREFAIR
			/AERO/		
			/AERO/	INITMS M	
			/AERO/		L_REFSEEK
DELPSI	Azimuth pattern stepsize in degrees.		/INTERP/		L REFSEEK
			/INTERP/		LREFSEEK
DELR	Peak magnitude difference at port and			DECHO	L ASCINT
	starboard. (db/m*2)		/MCSAS/		L CORE
	#9		/MCSAS/	AMERCS	LREFENMIT
DELIME	Elevation pattern stepsize in degrees.				L REFSEEK
201024	Madal Intermettan Internal In		/INTERP/		L REFSEEK
DECTIM	Model integration interval in		/ASE/	SETUP	L CONTRL
	seconds.		/ASE/		LCORE
			/ase/ /ase/	inite Plotit	L CORE
			/ASE/	RCO	L REFENIMT
			/ASE/	TARANG	L REPENMIT
			/ase/	INT2	L REPSEEK
			/ASE/	LOCK2	L REFSEEK
			/ase/	MNLOCK	L REFSEEK
DELTMP	Equivalenced to "CVDOEL".		/ RS E/ / CV /	DOTPR	L REFSEEK
DELY	Rudder angle in degrees.		/AERO/	PLOTIT	L LOCAL
	model andre in addition		/AERO/	AUTO3	L AIR
	·	.,	/ 1961U/ 18600000000	· · · · · · · · · · · · · · · · · · ·	~ un.

AFPENDIX C - SLOAPP Cross-Reference/Glossary (Continued)

		•		•	•
Symbol	Description	T	Common	Routine	L_File
		R	/AERO/	AERO2	L REFAIR
		R	/AERO/	AERO3	LREFAIR
		R	/AERO/	AUTO2	L REFAIR
		R	/AERO/ /AERO/ /AERO/	INITHR M	L REFAIR
		R	/AERO/	INITMS M	LREFAIR
		R	/AERO/	INT2 M	L REFSEEK
DEPT	Antenna elevation difference pattern.	I	/PATSYM/		L REFSEEK
DIFAI	Imaginary part of azimuth difference		/INTOUT/		L MONO
	pattern (Chio State).				L REPSEEK
	personn (and obligation)				L REFSEEK
DIFAR	Real part of azimuth difference		/INTOUT/		L MONO
J	pattern (Chio State).				LREPSEEK
	parenti (anto ocaca) :				L REFSEEK
nt PADO	Equivalence of azimuth difference		/PATSYM/		L REFSEEK
DILLERA	pattern array (Chio State).	•	/FRIO BY	Wallet	L NEW SEEK
DIPEI	Imaginary part of elevation	D	/INTOUT/	MODAN 3	L MONO
DIF DI	difference pattern (Chio State).		/INTOUT/		
	difference bactern (dito State).				LREFSEEK
DIPER	Deal mant of elevation difference		/INTOUT/		_
DILEK	Real part of elevation difference				L MONO
	pettern (Ohio State).		/INTOUT/		
0.7.0.000	Smiles and of almost an Alffordam		/INTOUT/		
DIFERK	Equivalence of elevation difference	1	/PATSYM/	ANITONA	LREFSEEK
DT CO	pattern array (Chio State).	_	(CTD )	20100	
DIST	Miss distance in meters.		/SRR/		L_COMVID
5000	MI==19 - M Al Al A - A - A - A - A	K	/SKR/		L CORE
DMX	Missile X directional derivative in	K	/KINE/		L REFAIR
	meters/second.		/KINE/	INT2	LREFSEEK
DMY	Missile Y directional derivative in		/KINE/		L REPAIR
	meters/second.		/KINE/	INT2	LREFSEEK
DMZ	Missile 2 directional derivative in		/KINE/	AUTO3	LAIR
	meters/second.		/KINE/		L REFAIR
			/KINE/		LREPAIR
			/KINE/	INT2	L_REPSEEK
	Specular-to-direct gain ratio.				L REPENVM
DRCO	Correlation filter coefficient.		/RNDPR2/		LCORE
		R	/RNDPR2/	RAPR1	L REPENVM
		R	/RNDPR2/	RAPR2	L REFENVM
		R	/RNDPR2/	RAPR3	L REFENM
		R	/RNDPR2/	RAPR4	L REFENIM
			/RNDPR2/		L REFENIM
DRCOM	Correlation filter coefficients.		/BARAS/		L CORE
			/BARAS/		L REFENM
			/BARAS/		L REFENM
DRCOO	Correlation filter coefficients.	R	/BARAS/	INITE M	L CORE
			/BARAS/		L REFENUM
			/BARAS/		L REFENIM
		• •	,		~~ Per ALAL

APPENDIX C - SLOAFP Cross-Reference/Glossary (Continued)

Symbol	Description	T	Common	Routine	L_File
DT	Simulation step size in seconds.				L REFENMT
			/MEBLK3/		L_REFENMT
DIL	Platform motion update time increment				l_refech
	in seconds.		/VCORE/		l_reftgt
			/VCORE/		LREFTGT
	,		/VCORE/		LREFTGT
ditest	Range gate decision time with respect				L_CONTRL
	to launch time.	R	/VTEST1/	SETUP M	L_CONTRL
		R	/VTEST1/	hederi	LCORE
DUTY	Decoy duty cycle in percent.		/DCOY/	PLOTIT M	
		R	/DCOY/	PLOTIT M	
DX	DX integration array.	R	/INT/	INITS M	
		R	/INT/		L_COMVID
		R	/INT/		r_comaid
		R	/INT/	CONTRL M	L CONTRL
		R	/INT/	INITC M	l core
		R	/INT/	AGC2 M	l refseek
		R	/INT/	INT2	L REFSEEK
			/INT/	DEMOD2 M	L REFSEEK
			/INT/		L REFSEEK
			/INT/		L REFSEEK
			/INT/		L REFSEEK
			/INT/		L REFSEEK
			/INT/		L REPSEEK
EL	Angle of threat off decoy boresight		/DCOY/	BOMPAT M	_
	in elevation degrees.	••	, 5001,		
ELA	Decoy elevation angle at launch in	2	/DCOY/	INITO M	L CORE
<u></u> .	degrees.		/DCOY/	BOMPAT	L BOM
PINIPI	Elevation difference pattern		/PATRN6/		LREFSEEK
DIA 1.	(imaginary part).		/PATRN6/		L REFSEEK
PI OT PO	Elevation difference pattern (real		/PATRN5/		L REFSEEK
ELDIFK			-		
EMCO	part).		/PATRN5/		LREFSEEK
emsq	Ratio of steady return to average		/BARAS/		LCORE
C04.00	random power.		/BARAS/	PRATIO	L REFENANT
EPAT	Decoy elevation antenna pattern array				L_COMVID
	Annual and a characteristic to		/DCOY/	ELPAT	LREFECM
eps	Aspect angle where peak begins in		/MCSAS/		LASCINT
	degrees.		/MCSAS/		
			•		LREFENMT
FACDAZ	Monopulse pattern normalizing factor.				
	Dimensionless.				L REFSEEK
					LREFSEEK
FACTEL	Monopulse pattern normalizing factor.				
	Dimensionless.				LREFSEEK
					L_REFSEEK
FACSUM	Normalization constant for sum	R	/INTOUT/	MODXM3	L_MONO
*******			<del> </del>	<del></del>	

NOTES: "M" column indicates variable is modified.
"T" column heading indicates type attribute.

APPENDIX C - SLGAPP Cross-Reference/Glossary (Continued)

L REFSEEK L REFSEEK L SLQ32
L_SLQ32 L_SLQ32 L_SLQ32 L_SLQ32 L_SLQ32 L_SLQ32 L_SLQ32
L_SLO32 L_SLO32 L_SLO32 L_SLO32 L_SLO32 L_SLO32 L_SLO32
L_SLQ32 L_SLQ32 L_SLQ32 L_SLQ32 L_SLQ32 L_SLQ32
L_SLQ32 L_SLQ32 L_SLQ32 L_SLQ32 L_SLQ32
r_2r035 r_2r035 r_2r035
L_SLQ32 L_SLQ32 L_SLQ32
r_2r035 r_2r035
L_SLQ32
L_HONO
l_refseek
LREFSEEK
LREFEMENT
LREFEMENT
L_CORE
L_COMVID
LCORE
LCORE
l refseek
L REFSEEK
LREFSEEK
LREFSEEK
L REFSEEK
L REFSEEK
LTLOCAL
L CORE
L CORE
L COSRO
L MONO
L REPENMT
LECCAL
L CORE
L CORE
L COSRO
L BOM
L MONO
L REFENMT
L CORE
L REPENMIT
L CORE
L REFENMT
L COMVID
L COSRO
-
L_MONO

NOTES: "M" column indicates variable is modified.

<sup>&</sup>quot;T" column heading indicates type attribute.

AFFENDIX C - SLOAPP Cross-Reference/Glossary (Continued)

9ymbol	Description	T	Common	Routine	L_File
ana)	Books and and and a de-	R	/NGC/	AGC2 M	L REFSEEK
GPEAK	Decoy antenna peak gain in db.	K	/DCOY/	INITS M	L COMVID
		R	/DCOY/	INITS M SETUP ECMPAT ECMAMP M	L_CONTRL
~	Press entrana sala la thurst	K	/DCOY/	ECMPAT	L ECM
GR	Decoy antenne gain in threat	K	/DCOY/	BOMPAT M	L BOM
	direction in db.				
CHOCHC	Ground range from target to missile		/MPATHI/		L_COMVID
	in meters.		/MPATHI/		L CORE
coco	Through specime solve on the special or		/MPATHI/		LREFENVMT
GRSP	Threat receive gain at the specular point.	K	/MAXIHI/	MLTPIH M	LREFENMT
CTMS	Multiplier to convert "g"s to meters	R	/CONST/	INITC M	L_CORE
	per second**2.		/CONST/	INITR	L_CORE
GISP	Threat transmit gain at the specular point.	R	/MPATHI/	MLTPTH M	LREFENIMT
HEFLAG	Flag. 'T' indicates generate H	L	/SLQ32/	PLOTIT	L CORE
	component.		/SLQ32/	HDT32	L SLQ32
	•		/SLQ32/	HOTSET M	<i>เ</i> รียญังว
HCPLSW	H component pulsewidth in	R	/SLQ32/	HDTSET	L SLQ32
	microseconds.	R	/SLQ32/	INISLQ M	เ รเดิงว
HCPRI	The H component PRI in microseconds.		/SLQ32/	HOTSET	เรียญ32
	•	R	/SLQ32/	INISLO M	L SLO32
HCPWR	The ERP of the H component		/SLQ32/	HDTSET	L SLQ32
	transmitter in watts.	R	/SLQ32/	INISLQ M	L SLQ32
HEADID	Alphanumeric array for header ID.	D	/LOGCON/	SNLOG M	L CONTRL
HELEV	Ship's hull height above water line	R	/BARAS/	INITE M	L CORE
	in meters.	R	/BARAS/	elstr	LREFENVMT
HITCHT	Hit count.	I	/MNLK/	MNLCKI M	L MONO
			/MNLK/		LREFSEEK
HLPTIM	Time in seconds for RGPO program to	R	/SLQ32/	INISLQ M	L_SLQ32
	complete half its cycle.	R	/SLQ32/	RGPO32 M	
HOPPDA	Length of time in seconds that H	R	/SLQ32/	HDTSET	L_SLQ32
	component is turned off.	R	/SLQ32/	INISLQ M	เ_รเญ32
HONTIM	Length of time in seconds that H		/SLQ32/	hdiset	L SLQ32
_	component is transmitted.		/SLQ32/	inislq m	
HSTART	Time of H pulse train relative to	R	/SLQ32/	HDT 32	L_SLQ32
	range gate in microseconds.	R	/SLQ32/	HDTSET M	L_SLQ32
		R	/SLQ32/	inisiq m	L_SLQ32
HTRAIL	Time in microseconds that start of H	R	/SLQ32/	HDTSET	L_SLQ32
	range gate in microseconds.  Time in microseconds that start of H component trails target. Flag. 1 indicates bow depression.	R	/SLQ32/	INISLQ M	L_SLQ32
IBON	Flag. 1 indicates bow depression.	Ā	/BARAS/	INITE M	L CORE
		1	/BAKAS/	AMERICS	L KEELENAMI.
ICHNG	Flag. 1 indicates change in aspect			INITE M	
	greater than T(35).				LREFENMIT
					LREFENVMT
		I	/DISTYP/	TARANG M	LREFENVMT

PTES: "M" column indicates variable is modified.
"T" column heading indicates type attribute.

APPENDIX C - SLOAPF Cross-Reference/Glossary (Continued)

	<del>-</del>			,	,
Symbol	Description	T	Common	Routine	L_File
IDPLOY	Target deployment flag. See	I	/VCORE/	RGATE	L COMVID
	also APPENDIX D.		/VCORE/		L CONTRL
			/VCORE/		L CORE
			/VCORE/		L COSRO
	·		/VCORE/		L MONO
	(		/VCORE/		L SLQ32
			/VCORE/		LREFECM
					LREFTGT
			/VCORE/		L REFTGT
			/VCORE/		LREFTGT
IFFAIR	Flag. 1 disables autopilot and		/AIRSKR/		LAIR
	aerodynamics.		/AIRSKR/		L CORE
			/AIRSKR/		L REFAIR
			/AIRSKR/		L REFAIR
			/AIRSKR/		L REFAIR
			/AIRSKR/		L REFSEEK
			/AIRSKR/		L REFSEEK
IFFALT	Flag. 1 disables altimeters (terminal				LAIR
	mode).		/AIRSKR/		LCORE
					LREFAIR
			/AIRSKR/		L REFSEEK
					L REFSEEK
			/AIRSKR/		
IFFANT	Flag. Selects threat antenna:		/AIRSKR/		_
	l=Cosro, 2=APQ-112, 3=Ohio State.		/AIRSKR/		L REFENVMT
	2 40010 / 2 2 222/ 3 0 20 0 20		/AIRSKR/		L REFSEEK
IFFATP	Flag. Selects airframe type: 0=MSE;		/AIRSKR/		LAIR
	1=HRB light; 2=HRB heavy; 3=ARM.		/AIRSKR/		L CORE
	- ine 113.10, - ine 1100v/, 0 inci.		/AIRSKR/		LREFAIR
IFFBTH	Flag. Selects threat type:	I	/DCOY/	MAIN	L LOCAL
	1=Baseline. 2=Typical. 3=Hardened.	ī	/DCOY/	PLOTIT	L LOCAL
	z zoozzanov z ryprodzi o imradnosti	ī	/YOOY/	AUTO3	LAIR
		Ī	/DCOY/	COMPVD	L COMVID
		T	/DCOY/	INITS	L COMVID
		Ť	/DCOY/	RGATET	L COMVID
		Ī	/DCOY/	RGTRAK	L COMVID
			/DCOY/	AVGDAT	L CONTRL
			/DCOY/	SETUP	L CONTRL
			/DCOY/	HEDER1	L CORE
			/DCOY/		L CORE
			/DCOY/	INITC	L CORE
			/DCOY/	ECMAMP	LECM
			/DCOY/	ECMPAT	L ECM
				MODXM3	L MONO
			/DCOY/	HDT32	L SLQ32
מעיקקז	Flag. 1 switches on demodulator		/AIRSKR/		L CORE
	FIG. I SAICCIES OIL GAIIOITTAME	1	\ umovi	TIATIO L	L CURLE

I /VCORE/ TARGET L REFTGT  IPOL Polarization of incident wave; l=V, I /MPATHI/ SETUP L CONTRL  2=H. I /MPATHI/ INITE M L CORE  IRG Density type. l=Chi Sq, 2=Rayleigh, I /DISTYP/ DECHO L ASCINT  3=Lognormal, 4=Rice, 5=Mixed. I /DISTYP/ INITE M L CORE  I /DISTYP/ DNINTF L REFENVMT  I /DISTYP/ MNTOMD L REFENVMT  I /DISTYP/ PRATIO L REFENVMT  I /DISTYP/ RCO L REFENVMT	Symbol	Description	T	Common	Routine	L_File
IFFDCP Flag. 1 switches on pitch demodulator chopper.  IFFDCY Flag. 1 switches on yaw demodulator chopper.  IFFDCY Flag. 1 indicates completion of dish pitch-up.  IFFDCP Flag. 1 indicates completion of dish pitch-up.  IFFDCF Flag. 1 indicates completion of dish pitch-up.  IFFDCF Flag. 1 enables simulation of glint.  IFFCCF Flag. 1 enables simulation of glint.  IFFCCF Flag. 1 uncages lead gyro.  IFFCCF Flag. 1 uncages lead gyro.  IFFCCF Flag. 1 bypasses prediction gate 2.5 seconds after seeker turn-on.  IFFCCF Flag. 1 bypasses prediction gate 2.5 seconds after seeker turn-on.  IFFCCF Flag. 1 bypasses prediction gate 2.5 seconds after seeker turn-on.  IFFCCF Flag. 1 bypasses prediction gate 2.5 seconds after seeker activation.  IFFCCF Flag. 1 indicates seeker activation.  IFFCCF Flag. 1 indicates seeker activation.  IFFCCF Flag. 1 indicates seeker activation.  IFFCCF Flag. 1 bypasses first time thru path in subroutine AMERCS.  IMCOBEL Model identifier suffix.  INDICATE Target in range gate flag. 0=Not in gate, 1=In gate.  INTEIN Array of integer bins to save data for restart.  IPLAT Target platform identifier. 0=Skip, 1=Ship, 2=Decoy, 3=Chaff.  IPCCR Flag. 1 contact wave; 1=V, 2=H.  IRG Density type. 1=Chi Sq. 2=Rayleigh, 1 JOISTYP, MINTON L CORE INTEX L CORTEL INTEXP INTEXP L CORTEL INTEXP L CORTEL INTEXP INTEXP		chopper outputs.				
chopper.  If AIRSKR/ DEMOD2 M L REFSEEK IFFDUP Flag. 1 switches on yaw demodulator chopper.  IFFDUP Flag. 1 indicates completion of dish pitch-up.  IFFDUP Flag. 1 enables simulation of glint.  IFFGUT Flag. 1 enables simulation of glint.  IFFGUT Flag. 1 uncages lead gyro.  IFFGUT Flag. 1 bypasses prediction gate 2.5 I AIRSKR/ DISH2 L LATR I AIRSKR/ DISH2 L LEFSEEK IFFGUT Flag. 1 bypasses prediction gate 2.5 I AIRSKR/ DISH2 L LEFSEEK IFFGUT Flag. 1 bypasses prediction gate 2.5 I AIRSKR/ DISH2 L LEFSEEK IFFGUT Flag. 1 bypasses prediction gate 2.5 I AIRSKR/ DISH2 L LEFSEEK IFFGUT Flag. 1 bypasses prediction gate 2.5 I AIRSKR/ AUTO3 L AIR LEFSEEK IFFGUT Flag. 1 bypasses prediction gate 2.5 I AIRSKR/ AUTO3 L AIR LEFSEEK IFFGUT Flag. 1 bypasses furn-on. IFFRAT Flag. G rate. 0-MSE. (others HRB) I AIRSKR/ INITC L CORE I AI						
IFFDCY Flag. 1 switches on yaw demodulator chopper.  IFFDUP Flag. 1 indicates completion of dish pitch-up.  IFFDUP Flag. 1 indicates completion of dish pitch-up.  IFFGLT Flag. 1 enables simulation of glint.  IFFGLT Flag. 1 uncages lead gyro.  IFFLGY Flag. 1 uncages lead gyro.  IFFLGY Flag. 1 uncages lead gyro.  IFFLGY Flag. 1 bypasses prediction gate 2.5 I /AIRSKY AUTO3 I /AIRSKY INITIC I /AIRSKY AUTO3 I /AIRSKY INITIC I /AIRSKY AUTO3 I /AIRSKY INITIC I /AIRSKY INITI	IFFCCP					
Chopper.  IFFDUP Flag. 1 indicates completion of dish pitch-up.  IFFDUP Flag. 1 indicates completion of dish pitch-up.  IFFDUP Flag. 1 indicates completion of dish pitch-up.  IFFGUT Flag. 1 enables simulation of glint.  IFFLGY Flag. 1 uncages lead gyro.  IFFLGY Flag. 1 bypasses prediction gate 2.5 I /AIRSKR/ INITC L CORE I /AIRSKR/ DISH2 L REFSEEK I /AIRSKR/ INITC M L CORE I /AIRSKR/ INITC L REFAIR I /AIRSKR/ INITC L REFERINT I						
IFFOUP Flag. 1 indicates completion of dish pitch-up.  I ARRSKV DISHM M L REFSEEK I ARRSKV DISHM M L REFSEEK IFFOLT Flag. 1 enables simulation of glint.  IFFOLT Flag. 1 uncages lead gyro.  I ARRSKV INITC I ARRSKV DISHM M L REFSEEK I ARRSKV DISHM M L REFSEEK I ARRSKV DISHM M L REFSEEK I ARRSKV RGATE M L COMFLD I ARRSKV INITC I ARRSKV I	IFFCCY	Flag. 1 switches on yaw demodulator				_
pitch-up.  I AIRSKR/ DISH2 M L REFSEEK IFFGLT Flag. 1 enables simulation of glint.  IFFLGY Flag. 1 uncages lead gyro.  I AIRSKR/ AINTO M L CORE I AIRSKR/ AUTO3 I AIRSKR/ AUTO3 I AIRSKR/ AUTO3 I AIRSKR/ AUTO3 I AIRSKR/ DISH2 I AIRSKR/ NATC I AIRSKR/ NATC I AIRSKR/ INITC						
IFFGLT Flag. 1 enables simulation of glint.  I /AIRSKR/ DISHM M L_REFSEEK IFFLGY Flag. 1 uncages lead gyro.  I /AIRSKR/ AINTC L AIR I /AIRSKR/ DISH2 M L_CORE I /AIRSKR/ DISH2 M L_REFSEEK I /AIRSKR/ DISH2 M L_CORE I /AIRSKR/ INITC M L_CORE I /AIRSKR/ INITC M L_CORE I /AIRSKR/ AINTO L AIRSKR/ INITC M L_CORE I /AIRSKR/ INITC M L_CONTEL	IFFDUP					
IFFCLT Flag. 1 enables simulation of glint.  IFFLGY Flag. 1 uncages lead gyro.  I /AIRSKR/ INITC I /AIRSKR/ SINTC I /AIRSKR/ DISH2 I /AIRSKR/ SINTC I /AIRSKR/ INITC I /AIRSKR/		pitch-up.				
I						_
I /AIRSKR/ INITC M L_CORE I /AIRSKR/ AUTO2 L REFAIR I /AIRSKR/ DISHM M L_REFSEEK I /AIRSKR/ DISHM M L_REFSEEK I /AIRSKR/ DISHM M L_COMVID Seconds after seeker turn-on.  IFFRAT Flag. 1 bypasses prediction gate 2.5 I /AIRSKR/ RGATE M L_COMVID Seconds after seeker turn-on.  IFFRAT Flag. 6 rate. 0=MSE.(others HRB) I /AIRSKR/ INITC M L_CORE I /AIRSKR/ INITC M L_CORE I /AIRSKR/ INITC M L_CORE I /AIRSKR/ INITH L REFAIR I /AIRSKR/ INITH L REFAIR I /AIRSKR/ INITH L REFAIR I /AIRSKR/ INITC M L_CORE I /AIRSKR/ DISHM L_COMVID M L_CORE I /AIRSKR/ DISHM L_COMVID M L_CORE I /AIRSKR/ DISHM L_CORE I /AIRSK						
I /AIRSKK/ AUTO2 L TREFAIR I /AIRSKK/ DISH2 M L REFSEEK I /AIRSKK/ DISHM M L REFSEEK I /AIRSKK/ DISHM M L REFSEEK I /AIRSKK/ DISHM M L REFSEEK I /AIRSKK/ RGATE M L COMVID seconds after seeker turn-on. I /AIRSKK/ RGATE M L COMVID I /AIRSKK/ NITC M L CORE I /AIRSKK/ AUTO3 L TAIR I /AIRSKK/ NITC M L CORE I /AIRSKK/ INITC M L CORE I /AIRSKK/ INITC M L CORE I /AIRSKK/ INITC M L CORE I /AIRSKK/ RGTRAK I /AIRSKK/ RGTRAK I /AIRSKK/ DISHM I /AIRSKK/ NITC I /AIRSKK/ NITC I /AIRSKK/ NITC I /AIRSKK/ NITC I /AIRSKK/ DISHM I /AIRSKK/ DISHM I /AIRSKK/ NITC I /AIRSKK/ DISHM I /AIRSKK/ DISH	iffigy	Flag. 1 uncages lead gyro.				
I /AIRSKR/ DISH2 M L_REFSEEK I /AIRSKR/ DISHM M L_REFSEEK I /AIRSKR/ DISHM M L_REFSEEK I /AIRSKR/ DISHM M L_REFSEEK I /AIRSKR/ RGATE M L_COMVID seconds after seeker turn-on. I /AIRSKR/ INITC M L_CORE I /AIRSKR/ AUTO3 l=2PZY, 2=3P3Y, 3=3P5Y, 4=3P9Y. I /AIRSKR/ INITC M L_CORE I /AIRSKR/ INITC M L_CORE I /AIRSKR/ INITA L_REFAIR I /AIRSKR/ INITH M L_CORE I /AIRSKR/ INITC M L_COMVID I /AIRSKR/ DISH2 I /AIRSKR/ DISH3 I /CORE I /AIRSKR/ INITC M L_CORE I /AIRSKR/ DISH3 I /CORES I /AIRSKR/ DISH3 I /CORE I /AIRSKR/ DISH3 I /AIRSKR/ DI				•		
I /AIRSKR/ DISHM   M L COMVID   Seconds after seeker turn-on.   I /AIRSKR/ RGATE   M L COMVID   L /AIRSKR/ AUTO3   L /AIRSKR/ AUTO3   L /AIRSKR/ AUTO3   L /AIRSKR/ INITC   L /AIRSKR/ DISHM   L /AIRSKR/						
IFFRT Flag. 1 bypasses prediction gate 2.5 I /AIRSKR/ RGATE M L COMVID seconds after seeker turn-on.  IFFRAT Flag. G rate. 0=MSE. (others HRB) I /AIRSKR/ INITC M L CORE I AIRSKR/ INITC M L CORE I /AIRSKR/ RGTRAK I /AIRSKR/ RGTRAK I /AIRSKR/ BISH2 L COMVID M L CORE I /AIRSKR/ DISH2 L REFSEEK I AIRSKR/ DISH2 L REFSEEK I AIRSKR/ DISH2 L REFSEEK I MCSAS/ MERCS M L REFSEEK I MCSAS/ AMERCS M L REFSEEK I MCSAS			I	/AIRSKR/	DISH2 M	LREFSEEK
seconds after seeker turn-on.  I /AIRSKR/ INITC M L_CORE IFFRAT Flag. G rate. 0=MSE.(others HRB) I /AIRSKR/ AUTO3 LARR 1=2PZY, 2=3P3Y, 3=3P5Y, 4=3P9Y.  I /AIRSKR/ INITA L_CORE I /AIRSKR/ INITH L_REFAIR I /AIRSKR/ INITH L_REFAIR I /AIRSKR/ RGTRAK I /AIRSKR/ DISH2 I /AIRSKR/ DISH2 I /AIRSKR/ DISH2 I /AIRSKR/ DISH2 I /AIRSKR/ DISH3 L_REFSEEK IFTC Flag. 1 bypasses first time thru path in subroutine AMERCS. IMODEL Model identifier suffix. IMODEL M						_
IFFRAT Flag. G rate. 0=MSE.(others HRB)   I /AIRSKR/ AUTO3   L_AIR     1=2PZY, 2=3P3Y, 3=3P5Y, 4=3P9Y.	IFFFGT			• -		
1=2P2Y, 2=3P3Y, 3=3P5Y, 4=3P9Y.						
I /AIRSKR/ INITA L REFAIR I /AIRSKR/ MAIN M L LOCAL I /AIRSKR/ DISH2 I /AIRSKR/ DISH2 I /AIRSKR/ DISH2 I /AIRSKR/ DISH3 L REFSEEK I /AIRSKR/ MAIN M L LOCAL I REFSEEK I /AIRSKR/ DISH3 L REFSEEK I /AIRSKR/ DISH3 I /AI	IFFRAT		I	/AIRSKR/		_
I /AIRSKR/ INITHR L REFAIR  I /AIRSKR/ MAIN M L LOCAL  I /AIRSKR/ MAIN M L LOCAL  I /AIRSKR/ MAIN M L LOCAL  I /AIRSKR/ MINT M L CORE  I /AIRSKR/ DISH2  I /AIRSKR/ DISH2  I /AIRSKR/ DISH2  I /AIRSKR/ DISH3  L REFSEEK  I /AIRSKR/ MAIN M L LOCAL  I REFSEEK  I /AIRSKR/ DISH3  L REFSEEK  I /AIRSKR/ DISH3  L REFSEEK  I /AIRSKR/ DISH3  L REFSEEK  I /AIRSKR/ MAIN M L LOCAL  I REFSEEK  I /AIRSKR/ DISH3  L REFSEEK  I /AIRSKR/ MAIN M L LOCAL  I REFSEEK  I /AIRSKR/ DISH3  L REFSEEK  I /AIRSKR/ MAIN M L LOCAL  I REFSEEK  I /AIRSKR/ DISH3  L REFSEEK  I /COCAT  I /COCAT  I /AIRSKR/ DISH3  L REFSEEK  I /AIRSKR/ DISH3  L REFSEEK  I /COCAT  I /COCAT  I /COCAT  I /VESTI / ASSESS  L CONTRL  I /VESTI / RESTRT M L CONTRL  I /VEST		1=2P2Y, 2=3P3Y, 3=3P5Y, 4=3P9Y.	I	/AIRSKR/	INITC M	L CORE
IFFTRM Flag. 1 indicates seeker activation. I /AIRSKR/ MAIN M L_LOCAL I /AIRSKR/ RGTRAK L_COMVID I /AIRSKR/ INITC M L_CORE I /AIRSKR/ DISHZ L_REFSEEK L_CONTRL ROCAL MODEL Model identifier suffix. I /MCSAS/ AMERCS M L_REFFENVMT L_CONTRL INGATE Target in range gate flag. 0=Not in I /RGAT/ RGATE M L_CONTRL INGATE Target in range gate flag. 0=Not in I /RGAT/ RGATE M L_CONTRL L_CONTRL INTENT ACTION I /VTESTI/ RESTRT M L_CONTRL INTESTI/ RESTRT M L_CONTRL INTESTI/ RESTRT M L_CONTRL INTESTI/ RESTRT M L_CONTRL INTESTI/ RESTRT M L_CONTRL I /VCORE/ INITP M L_REFECM I /VCORE/ INITP M L_REFECM I /VCORE/ TARGET L_REFTGT L_REFTGT L_REFTGT L_CONTRL INTESTI/ RESTRT M L_CONTRL INTESTI/ RESTR			I	/AIRSKR/		
I /AIRSKR/ RGTRAK I /AIRSKR/ INITC M L CORE I /AIRSKR/ DISH2 L REFSEEK IFTC Flag. 1 bypasses first time thru path I /AIRSKR/ DISHM I Subroutine AMERCS.  IMODEL Model identifier suffix. I /MOSAS/ AMERCS M L REFERIMIT L CONTRL IMODEL Model identifier suffix. I /LOGCOM/ SNLOG L CONTRL I /MOSAS/ AMERCS M L REFERIMIT L /MOSAS/ AMERCS M L CONTRL I /MOSAS/ AMERCS M L REFERIMIT L /MOSAS/ AMERCS M L CONTRL I /MOSAS/ AMERCS M L REFERIMIT L /MOSAS/			I	/AIRSKR/	INITHR	LREFAIR
I /AIRSKK/ INITC M L_CORE I /AIRSKK/ DISH2 I /AIRSKK/ DISH3 I /AIRSKK/ DISH4 I /AIRSKK/ DISH4 I /AIRSKK/ DISH4 I REFSEEK I /AIRSKK/ DISHM I CORE I /MCSAS/ AMERCS M L REFFENMT I /AIRSKK/ DISHM I /CORCM/ SNLOG I /CONTRL I /AIRSKK/ DISHM I /CORCM I /AIRSKK/ DISHM I /CORE I /MCSAS/ AMERCS M L REFFENMT I /AIRSKK/ DISHM I /CORCM I /AIRSKK/ DISHM I /CONTRL I /VEGAT/ RESTE M L CONTRL I /VEGAT/ RESTET M L CONTRL I	iffirm	Flag. 1 indicates seeker activation.	I	/AIRSKR/	MAIN M	L LOCAL
I /AIRSKR/ DISH2 I /AIRSKR/ DISHM I REFSEEK IFTC Flag. 1 bypasses first time thru path I /MCSAS/ INITE M L CORE in subroutine AMERCS. II /MCSAS/ AMERCS M L REFENVMT IMODEL Model identifier suffix. II /LOCCOM/ SNLOG L CONTRL INGATE Target in range gate flag. 0=Not in gate, 1=In gate.  INTBIN Array of integer bins to save data for restart. IPLAT Target platform identifier. 0=Skip, I /VCORE/ INIT2 M L CONTRL IPLAT Target platform identifier. 0=Skip, I /VCORE/ INIT2 M L CORE 1=Ship, 2=Decoy, 3=Chaff. I /VCORE/ INIT2 M L REFERM I /VCORE/ SCINT2 L REFERM I /VCORE/ TARGET L REFTGT IPOL Polarization of incident wave; 1=V, I /MPATHI/ SETUP L CONTRL 2=H. IRG Density type. 1=Chi Sq, 2=Rayleigh, I /DISTYP/ DECHO L ASCINT 3=Lognormal, 4=Rice, 5=Mixed. I /DISTYP/ INITE M L CORE I /DISTYP/ MIXPR L REFENVMT I /DISTYP/ PRATIO L REFENVMT I /DISTYP/ PRATIO L REFENVMT I /DISTYP/ PRATIO L REFENVMT I /DISTYP/ RCO L REFENVMT I /DISTYP/ RCO L REFENVMT			I	/AIRSKR/	RGTRAK	L_COMVID
I /AIRSKR/ DISHM L REFSEEK  IFTC Flag. 1 bypasses first time thru path I /MCSAS/ INITE M L CORE in subroutine AMERCS. I /MCSAS/ AMERCS M L REFENDINT  IMODEL Model identifier suffix. I /LOGCOM/ SNLOG L CONTRL  INGATE Target in range gate flag. 0=Not in gate, 1=In gate.  INTBIN Array of integer bins to save data for restart. I /VTEST1/ RESTRT M L CONTRL  IPLAT Target platform identifier. 0=Skip, I /VCORE/ INIT2 M L CORE  1=Ship, 2=Decoy, 3=Chaff. I /VCORE/ INIT2 M L CORE  I /VCORE/ SCINT2 L REFEROM  I /VCORE/ TARGET L REFTGT  IPOL Polarization of incident wave; 1=V, I /MPATHI/ SETUP L CONTRL  2=H. I /MPATHI/ INITE M L CORE  II /MPATHI/ INITE M L CORE  II /MPATHI/ INITE M L CORE  II /MISTYP/ DECHO L ASCINT  I /DISTYP/ DNINTF L REFENOMT  I /DISTYP/ MIXTRD L REFENOMT  I /DISTYP/ MNTOMD L REFENOMT  I /DISTYP/ PRATIO L REFENOMT  I /DISTYP/ RCO L REFENOMT			I	/AIRSKR/	INITC M	LCORE
IFTC Flag. 1 bypasses first time thru path I /MCSAS/ INITE M L_CORE in subroutine AMERCS. I /MCSAS/ AMERCS M L_REFENVMT IMODEL Model identifier suffix. I /LOGCOM/ SNLOG L_CONTRL INGATE Target in range gate flag. 0=Not in gate, 1=In gate.  INTBIN Array of integer bins to save data for restart. I /VTEST1/ ASSESS L_CONTRL for restart. I /VTEST1/ RESTRT M L_CONTRL IPLAT Target platform identifier. 0=Skip, I /VCORE/ INIT2 M L_CORE 1=Ship, 2=Decoy, 3=Chaff. I /VCORE/ INIT9 M L_REFECM I /VCORE/ SCINT2 L_REFENVMT I /VCORE/ SCINT2 L_REFENVMT I /VCORE/ TARGET L_REFTGT L_REF			I	/AIRSKR/	DISH2	LREFSEEK
in subroutine AMERCS.  I /MCSAS/ AMERCS M L REFENVMT IMODEL Model identifier suffix.  I /LOGCOM/ SNLOG L CONTRL INGATE Target in range gate flag. 0=Not in gate, 1=In gate.  INTBIN Array of integer bins to save data for restart.  I /VTEST1/ RESTRT M L CONTRL I /VCORE/ INIT2 M L CORE I /VCORE/ INIT2 M L REFERMMT I /VCORE/ SCINT2 L REFERMMT I /VCORE/ TARGET L REFTGT I /VCOR			I	/AIRSKR/	DISHM	LREFSEEK
IMODEL Model identifier suffix.  INTRIN Array of integer bins to save data for restart.  IPLAT Target platform identifier. 0=Skip, l=Ship, 2=Decoy, 3=Chaff.  IPOL Polarization of incident wave; l=V, 2=H.  IRG Density type. l=Chi Sq, 2=Rayleigh, 3=Lognormal, 4=Rice, 5=Mixed.  I /LOGCOM/ SNLOG L CONTRL I /LOGAT/ RGATE M L COMVID I /RGAT/ RGATE M L CONTRL I /RESTIT/ RESTRT M L CONTRL I /VTEST1/ RESTRT M L CONTRL I /VTEST1/ RESTRT M L CONTRL I /VCORE/ INIT2 M L CORE I /VCORE/ SCINT2 L REFECOM I /VCORE/ SCINT2 L REFECOM I /VCORE/ TARGET L REFTGT I /VCORE/ TARGET I /	IFTC	Flag. 1 bypasses first time thru path	I	/MCSAS/	INITE M	LCORE
INGATE Target in range gate flag. 0=Not in gate, 1=In gate.  INTBIN Array of integer bins to save data for restart.  IPLAT Target platform identifier. 0=Skip, 1 /VCORE/ INIT2 M L CORE 1=Ship, 2=Decoy, 3=Chaff.  IPLAT Target platform identifier. 0=Skip, 1 /VCORE/ INIT2 M L CORE 1=Ship, 2=Decoy, 3=Chaff.  IPLAT Target platform identifier. 0=Skip, 1 /VCORE/ INIT2 M L CORE 1 /VCORE/ SCINT2 L REFECM I /VCORE/ SCINT2 L REFECM I /VCORE/ TARGET L REFTGT I /VCORE/ TARGET I /VCORE/ TA		in subroutine AMERCS.	I	/MCSAS/	AMERCS M	L REFENIMT
gate, 1=In gate.  INTBIN Array of integer bins to save data for restart.  IPLAT Target platform identifier. 0=Skip, 1=Ship, 2=Decoy, 3=Chaff.  IPLAT Target platform identifier. 0=Skip, 1=VCORE/INIT2 M L CORE I VCORE/INIT9 M L REFECM I VCORE/SCINT2 L REFERMIT I VCORE/SCINT2 L REFERMIT I VCORE/TARGET L REFIGT L CONTRL I MPATHI/SETUP L CONTRL I MPATHI/INITE M L CORE  IRG Density type. 1=Chi Sq, 2=Rayleigh, 3=Lognormal, 4=Rice, 5=Mixed.  IRG Density type. 1=Chi Sq, 2=Rayleigh, 1=VDISTYP/DINITE M L CORE I VDISTYP/DINITE M L CORE I VDISTYP/DINITE M L CORE I VDISTYP/DINITE L REFERMIT I VDISTYP/DINITE L REFERMIT I VDISTYP/MIXPR L REFERMIT I VDISTYP/PATIO L REFERMIT I VCORE INITY M L CORE I VCORE/PATIO L REFERMIT I VCORE/PATIO L VCORE/PATIO L VCORE/PATIO L VCORE/PATIO L VCORE/PATIO L VCORE/PATIO L VCORE/PATI	IMODEL	Model identifier suffix.	I	/LOGCOM/	SNLOG	LCONTRL
INTBIN Array of integer bins to save data for restart.  IPLAT Target platform identifier. 0=Skip, 1=Ship, 2=Decoy, 3=Chaff.  IPLAT Target platform identifier. 0=Skip, 1=VCORE/ INIT2 M L CORE I VCORE/ INIT9 M L REFECM I VCORE/ SCINT2 L REFECM I VCORE/ TARGET L REFTGT I VCORE/ TARGET I VCORE/ TARGET L REFTGT I VCORE/ TARG	INGATE		I	/RGAT/	RGATE M	L_COMVID
for restart.  I /VTEST1/ RESTRT M L_CONTRL  IPLAT Target platform identifier. 0=Skip,	INTBIN		I	/VTEST1/	ASSESS	L CONTRL
IPLAT Target platform identifier. 0=Skip, I /VCORE/ INIT2 M L CORE 1=Ship, 2=Decoy, 3=Chaff.  I /VCORE/ INITP M L REFECM I /VCORE/ SCINT2 L REFENVMT I /VCORE/ TARGET L REFTGT I /VCORE/ TARGET L REFTGT I /VCORE/ TARGET L REFTGT I /MPATHI/ SETUP L CONTRL 2=H.  IRG Density type. 1=Chi Sq, 2=Rayleigh, I /DISTYP/ DECHO L ASCINT 3=Lognormal, 4=Rice, 5=Mixed.  I /DISTYP/ INITE M L CORE I /DISTYP/ INITE M L CORE I /DISTYP/ INITE M L CORE I /DISTYP/ MIXPR L REFENVMT I /DISTYP/ MIXPR L REFENVMT I /DISTYP/ MNTOMD L REFENVMT I /DISTYP/ PRATIO L REFENVMT I /DISTYP/ RCO L REFENVMT I /DISTYP/ RCO L REFENVMT						
l=Ship, 2=Decoy, 3=Chaff.  I /VCORE/ INITP M L_REFECM I /VCORE/ SCINT2 L_REFENVMT I /VCORE/ TARGET L_REFTGT I/VCORE/ TARGET L_REFTGT I/VCORE/ TARGET L_REFTGT I /WPATHI/ SETUP L_CONTRL I /MPATHI/ INITE M L_CORE I /MPATHI/ INITE M L_CORE I /DISTYP/ DECHO L_ASCINT I /DISTYP/ INITE M L_CORE I /DISTYP/ INITE M L_CORE I /DISTYP/ INITE M L_CORE I /DISTYP/ DNINTF L_REFENVMT I /DISTYP/ MIXPR L_REFENVMT I /DISTYP/ MNTOMD L_REFENVMT I /DISTYP/ PRATIO L_REFENVMT I /DISTYP/ RCO L_REFENVMT	IPLAT	Target platform identifier, 0=Skip.				
I /VCORE/ SCINT2 L REFENVMT I /VCORE/ TARGET L REFTGT IPOL Polarization of incident wave; l=V, I /MPATHI/ SETUP L CONTRL 2=H. I /MPATHI/ INITE M L CORE IRG Density type. l=Chi Sq, 2=Rayleigh, I /DISTYP/ DECHO L ASCINT 3=Lognormal, 4=Rice, 5=Mixed. I /DISTYP/ INITE M L CORE I /DISTYP/ INITE M L CORE I /DISTYP/ DNINTF L REFENVMT I /DISTYP/ MIXPR L REFENVMT I /DISTYP/ MNTOMD L REFENVMT I /DISTYP/ PRATIO L REFENVMT I /DISTYP/ RCO L REFENVMT						
I /VCORE/ TARGET L REFTGT  IPOL Polarization of incident wave; l=V, I /MPATHI/ SETUP L CONTRL  2=H. I /MPATHI/ INITE M L CORE  IRG Density type. l=Chi Sq, 2=Rayleigh, I /DISTYP/ DECHO L ASCINT  3=Lognormal, 4=Rice, 5=Mixed. I /DISTYP/ INITE M L CORE  I /DISTYP/ DNINTF L REFENVMT  I /DISTYP/ MNTOMD L REFENVMT  I /DISTYP/ PRATIO L REFENVMT  I /DISTYP/ RCO L REFENVMT		,	-			L REFENVMT
IPOL Polarization of incident wave; l=V, I /MPATHI/ SETUP L_CONTRL 2=H. I /MPATHI/ INITE M L_CORE  IRG Density type. l=Chi Sq, 2=Rayleigh, I /DISTYP/ DECHO L_ASCINT 3=Lognormal, 4=Rice, 5=Mixed. I /DISTYP/ INITE M L_CORE I /DISTYP/ DNINTF L_REFENVMT I /DISTYP/ MIXPR L_REFENVMT I /DISTYP/ MNTOMD L_REFENVMT I /DISTYP/ PRATIO L_REFENVMT I /DISTYP/ RCO L_REFENVMT		•				_
2=H. I /MPATHI/ INITE M L_CORE  IRG Density type. 1=Chi Sq, 2=Rayleigh, I /DISTYP/ DECHO L_ASCINT  3=Lognormal, 4=Rice, 5=Mixed. I /DISTYP/ INITE M L_CORE  I /DISTYP/ DNINTF L_REFENVMT  I /DISTYP/ MIXPR L_REFENVMT  I /DISTYP/ MNTOMD L_REFENVMT  I /DISTYP/ PRATIO L_REFENVMT  I /DISTYP/ RCO L_REFENVMT	IPOL	Polarization of incident wave: 1=V.				_
Density type. 1=Chi Sq, 2=Rayleigh, I /DISTYP/ DECHO L ASCINT  3=Lognormal, 4=Rice, 5=Mixed. I /DISTYP/ INITE M L CORE  I /DISTYP/ DNINTF L REFENVMT  I /DISTYP/ MIXPR L REFENVMT  I /DISTYP/ MNTOMD L REFENVMT  I /DISTYP/ PRATIO L REFENVMT  I /DISTYP/ RCO L REFENVMT	<del>-</del>	•				_
3=Lognormal, 4=Rice, 5=Mixed. I /DISTYP/ INITE M L_CORE I /DISTYP/ DNINTF L_REFENVMT I /DISTYP/ MIXPR L_REFENVMT I /DISTYP/ MNTOMD L_REFENVMT I /DISTYP/ PRATIO L_REFENVMT I /DISTYP/ RCO L_REFENVMT	IRG					
I /DISTYP/ DNINTF L_REFENVMT I /DISTYP/ MIXPR L_REFENVMT I /DISTYP/ MNTOMD L_REFENVMT I /DISTYP/ PRATIO L_REFENVMT I /DISTYP/ RCO L_REFENVMT						
I /DISTYP/ MIXPR L REFENVMT I /DISTYP/ MNTOMD L REFENVMT I /DISTYP/ PRATIO L REFENVMT I /DISTYP/ RCO L REFENVMT						
I /DISTYP/ MNTOMD L_REFENVMT I /DISTYP/ PRATIO L_REFENVMT I /DISTYP/ RCO L_REFENVMT						
I /DISTYP/ PRATIO L_REFENANT I /DISTYP/ RCO L_REFENANT						
I /DISTYP/ RCO L_REFENVMT						_
				•		
NOTES: "M" column indicates variable is modified						

APPENDIX C - SLCAPP Cross-Reference/Glossary (Continued)

Symbol	Description	T	Common	Routine	L_File
		I	/DISTYP/	SCINT2	L_REFENVMT
			/DISTYP/		LREFENVMT
IRPT	Pulse counter.	I	/PRINT/	PLOTIT M	L_LOCAL
		I	/PRINT/	INITD M	LCORE
		I	/PRINT/	PLOTIT M	LCORE
IRUN	Overnight run number (for different	I	/PRINT/	MAIN M	LLOCAL
	seeds.)	I	/PRINT/	DECHO	LASCINT
		I	/PRINT/	INITS	L_COMVID
		I	/PRINT/	ASSESS	L CONTRL
		I	/PRINT/	MEMO	L CONTRL
		I	/PRINT/	RESTRT M	L CONTRL
		I	/PRINT/	TIMER	L CONTRL
		I	/PRINT/	HEDER1	L CORE
		I	/PRINT/	HEDER2	L CORE
			/PRINT/	INIT2	L CORE
			/PRINT/		LCORE
			/PRINT/		L REFENVMT
ISC INT	Indicates probability density type.		/BARAS/		L CORE
	See also APPENDIX D.		/BARAS/		L REFENVMT
			/BARAS/		L REFENVMT
			/BARAS/		L REFENUMT
			/BARAS/		L REFENUMT
			/BARAS/		L REFENUMT
			/BARAS/		L REFENVMT
ISEED1	Random seed.		•		L REFENVMT
			/MPBLK3/		LREFENVMT
ISEED2	Random seed.				L REFENVMT
			/MPBLK3/		L REFENVMT
ISEEDA	lst seed. Will be required by		/MPATHI/		L CONTRL
	multipath simulation.		/MPATHI/		L CORE
ISEED8	2nd seed. Will be required by		/MPATHI/		L CONTRL
	multipath simulation.		/MPATHI/		L CORE
ISET	Index for outermost loop of driver		/PRINT/		L LOCAL
	program.		/PRINT/		L ASCINT
	brodram.		/PRINT/		L CONTRL
			/PRINT/		L CONTRL
		_	/PRINT/	RESTRT M	
			/PRINT/	SUMMRY	L CONTRL
			/PRINT/	TIMER	L CONTRL
			/PRINT/	HEDER1	L CORE
			/PRINT/	INIT2	L CORE
TSKTD	Flag. 0 bypasses unused targets.		/DCOY/	RGATE	L COMVID
DILL	ring. o bypasses ulused largets.		/DCOY/	CONTRL	L CONTRL
			•		
			/DCOY/	INIT2 M	
			/DCOY/	INITR	L_CORE
		1	/DCOY/	INISLQ	L_SLQ32

NOTES: "M" column indicates variable is modified. "T" column heading indicates type attribute.

## APPENDIX C - SLOAFP Cross-Reference/Glossary (Continued)

Symbol	Description	T	Common	Routine	L_File
			/DCOY/		L_SLQ32
		Ι	/DCOY/	INITP	L_REFECM
		I	/DCOY/	SCINT2	L_REFENVMT
		I	/DCOY/	CHAFF M	L REFTGT
		I	/DCOY/	DECOY M	L REFTGT
ISNAED	Serial number of the present run (0 if not logged).		/LOGCOM/		LCONTRL
ISUM	Intermediate calculation in PRINT2	I	/DCOY/	INITD M	L CORE
	subroutine.	I	/DCOY/	PLOTIT M	LCORE
LASTN	Size of last lock-logic shift	I	/MNLK/	MNLCKI M	L MONO
	register.		/MNLK/		LREFSEEK
LBLOCK	Dummy buffer for logical flags.			INIT2 M	LCORE
	Flag. T enables multipath simulation.				L CORE
	Read in INIT2.		/LFLAG2/		L COSRO
			/LFLAG2/		L ECM
			/LFLAG2/		L MONO
T (C) FRM	Value of m for the m-out-of-n			MNLCKI M	_
<b>20014</b> 1	criterion.	Ť	/MNLK/	MNTOCK	L REFSEEK
LOCKN	Value of n for the m-out-of-n	Ť	/MAIT K /	MNLCKI M	CAOM 1
TYX. MA	criterion.	Ť	/MNLK/	MINLOCK	L REFSEEK
MALKOO 1	Array containing name of the log file.	Ŧ	/CTCNATA	MA TAI	L LOCAL
LOMNI					L CONTRL
TOMINT					L ECM
	antenna. Read in INIT2.		/LFLAG2/		_
LPLOT			/LFLAG2/		L_LOCAL
	INIT2.		/LFLAG2/		L_LOCAL
			/LFLAG2/		LCORE
			/LFLAG2/		L CORE
			/LFLAG2/		L CORE
LPRINT	Flag. T enables printing of "RESULT"		/LFLAG2/		L_LOCAL
	file. Read in INIT2.		/LFLAG2/		LASCINT
			/LFLAG2/		LCORE
			/LFLAG2/		LCORE
LRPEAT	Flag. T sets ARG1 to 1.0 in	L	/LFLAG2/	ECMAMP	L_ECM
	subroutine DECOY1. Read in INIT2.				_
LSCINT	Flag. T implies scintillation. Read	L	/LFLAG2/	MAIN	L LOCAL
	in INIT2.	L	/LFLAG2/	INIT2	LCORE
LSEED	Array of sub-cycle seeds.	J	/RINGCOM/	RANDOM M	L REFENVMT
					L REFENVMT
LSTOP	Flag. T stops run when ship is out of range gate. Read in INIT2.				
LT IMER	Flag. T shuts down run during working hours. Read in INIT2.	L	/LFLAG2/	MAIN	L_LOCAL
MDI COS		_	/MDD F TO A /	MOTNEM A	
MULSIC.	Flag indicating model to be used				L REFENVMT
	(0=Brown model, 1=Fast empirical).		/MPBLK4/		L REFENVMT
MODE	Flag. 1=Search, 2=Acquisition,		/AIRSKR/		L_LOCAL
	3=Track, 4=Drop track.	Ι	/AIRSKR/	AUTO3	LAIR

NOTES: "M" column indicates variable is modified.
"T" column heading indicates type attribute.

Symbol	Description	T	Common	Routine	L_File
			/AIRSKR/		L_COMVID
		I	/AIRSKR/	INITS M	L_COMVID
		I	/AIRSKR/	RGATE	LCOMVID
		I	/AIRSKR/	rgtrak	L COMVID
		I	/AIRSKR/	ASSESS	LCONTRL
					L CONTRL
			/AIRSKR/		LCORE
			/AIRSKR/		LCORE
			/AIRSKR/		L_SLQ32
			/AIRSKR/		L SLQ32
			/AIRSKR/		L SLQ32
			/AIRSKR/		L SLQ32
			/AIRSKR/		LREFAIR
			/AIRSKR/		LREFECM
			/AIRSKR/		L REFSEEK
			/AIRSKR/		L REFSEEK
			/AIRSKR/		L REFSEEK
			/AIRSKR/		LREFSEEK
			/AIRSKR/		L REFSEEK
			/AIRSKR/		L REFSEEK
					L REFSEEK
MUNTUD	Modulation type flag. See		/VCORE/	RGATE	L COMVID
MODI IP	also APPENDIX D.		/VCORE/		L CORE
	diso appendia D.		/VCORE/	INITE	L CORE
			/VCORE/	INITE	L CORE
			/VCORE/	MODPLX	L CORE
				ECMDLY	L ECM
			/VCORE/		_
			/VCORE/		L ECM
			/VCORE/	MODXM3	L_MONO
			/VCORE/	INISLO	L SLQ32
			/VCORE/		L REFECM
40	Monday on ad		/VCORE/	SCINT2	L REFENVM1
MS	Random seed.		/DCOY/	INITD M	
N14	The number of complex video segments		/CV/	_	L COMVID
N13.77	in the early gate.		/CV/	RGTRAK	L COMVID
NAZ	Number of grid points in azimuth		/INTERP/		L REFSEEK
	field of view.				L REFSEEK
NC	Pulse counter in print routine.		/PRINT/		
			/PRINT/		
			/PRINT/		
NC LTBG	Starting index for sea clutter edge		/PRECV/		L_COMVID
	data to be sorted.		/PRECV/		
			/PRECV/		L CORE
			/PRECV/		
			/PRECV/		_
		_	/PRECV/	HDT32	L SLQ32

APPENDIX C - SLCAFP Cross-Reference/Glossary (Continued)

Symbol	Description	T	Common	Routine	L File
			/PRECV/		
NCLTEN	Last index for sea clutter edge data		/PRECV/		L_COMVID
	to be sorted.		/PRECV/		
			/PRECV/		
		I	/PRECV/	MODPLX M	L_COSRO
		I	/PRECV/	MODXM3 M	L_MONO
		I	/PRECV/	HDT32 M	L_SLQ32
			/PRECV/		
NDFAIL	Number of accumulated failures.		•		LCONTRL
			/VTEST1/		
		I	/VTEST1/	SUMMRY	LCONTRL
NDSUCC	Number of accumulated successes.	Ι	/VTEST1/	ASSESS M	LCONTRL
		I	/VTEST1/	RESTRT M	L_CONTRL
			/VTEST1/		
NEL	Number of grid points in elevation field of view.	I	/INTERP/	ANTI2 M	LREFSEEK
MECDEN	If zero, 1st seed is random. If	+	/RNDPR2/	THITMS M	t cope
Mr SEEL	positive, 1st seed is repeatable.		/RNDPR2/		L CORE
MINCAT	Number of targets appearing in the				
tattack t	range gate.	<b>T</b>	/DCAT/	MODDEA	L COMVID L COSRO
	taige gate.	T	/RGAT/ /RGAT/	MODIFIES	L MONO
NIX	Number of integer bins to be used.		/VTEST1/		
MIX	number of integer offis to be used.				L CONTRL
			/VTEST1/		
NI KUNG	Number of lock-on's (transitions into				
MUNORS	mode 3).		/VTEST1/		
	mode 5).		/VTEST1/		
NP	Print interval in number of pulses.		/PRINT/		_
ME	Fillic incervat in number of purses.		/PRINT/		
			/PRINT/		
NS	Pulse counter.		/PRINT/		
140	raise counter.		/PRINT/		
			/PRINT/		
NT	Number of records printed.		/PRINT/		_
14.T	number of records printed.		/PRINT/	HEDER2	L CORE
			/PRINT/		L CORE
			/PRINT/		
NTARG	Total number of targets (active plus		/SKRENV/		L COMVID
IATUMO	passive).		/SKRENV/		L CONTRL
	passive).		/SKRENV/		L CONTRL
			/SKRENV/		L CORE
			/SKRENV/		L CORE
			/SKRENV/		L CORE
			/SKRENV/		L COSRO
			/SKRENV/		L MONO
			/SKRENV/		L SLQ32
			/ 21/15/14/	.m. 15	

APPENDIX C - SLOAPP Cross-Reference/Glossary (Continued)

Symbol	Description	T	Common	Routine	L_File
		I	/SKRENV/	HDTSET	L SLQ32
		I	/SKRENV/	inislq	L_SLQ32
		I	/SKRENV/	VUGATE	L_SLQ32
			/SKRENV/		LREFECM
		I	/SKRENV/	SCINT2	LREFENVMT
			/SKRENV/		L REFTGT
NTOI	Pointer to show which target is the		/RGAT/		L_COMVID
	nth target in the gate.		/RGAT/		L_COSRO
			/RGAT/		L_MONO
ntents	Number of test points for	I	/VTEST1/	AVGDAT M	L CONTRL
	accumulating averages.				_
NVID	Total number of complex video signal		/PRECV/	COMPVD	L_COMVID
	edges to be sorted.		/PRECV/	MODPLX M	
			/PRECV/	MODXM3 M	
			/PRECV/	HDT32	L_SLQ32
NVIDEO	The number of complex video segments	I	/CV/		L_COMVID
	in the range gate.	Ι	/CV/	RGTRAK	L_COMVID
			/CV/	PLOTIT	LCORE
				VUGATE	เ_รเญ32
			/CV/	DOTPR	LREFSEEK
			/CV/	M3SATV	LREFSEEK
NVX	Number of variable bins to be used.			MAIN M	_
			/VTEST1/		L CONTRL
				RESTRT M	
NWSEGS	Number of segments into which each W		/SLQ32/		L_SLQ32
<b>MITTER</b> 6	component ramp is divided.		/SLQ32/		_ ~
UNEPAS	Flag. T=Shift register filled, F=Not		/MNLK/		
_	filled.				LREFSEEK
P	Plot array.			PLOTIT M	_
DA COOM	Consequence and a fine the second and a fine		/PRINT/		
PASCUN	Square root of the constant part of		/APCONS/		L CONTRL
	the two-way range equation.		/APCONS/		L CONTRL
			/APCONS/		L_MONO
PCON	Part of 2-way range equation:			INITS M	L REFSEEK
PCUI	550.*300.*SKREWR*XLMDA**2/PI4**3		/SKRENV/		L CONTRL
	330. 300. 3MAPHA ALPHA 2/F14 3		/SKRENV/		L CONTRL
			/SKRENV/		L COSRO
POPGAN	Pitch differential channel processing				L REFSEEK
I DI GEN	gain.				L REFSEEK
PERR	Seeker pitch error signal in degrees/				L AIR
- 4-4	second.			INITS M	
			/AIRSKR/		L REFAIR
					L REFSEEK
					L REFSEEK
PGATE	Equivalenced to X(19). (prediction		/INT/	RGATE	L COMVID
			,,		

NOTES: "M" column indicates variable is modified.
"T" column heading indicates type attribute.

APPENDIX C - SLCAPP Cross-Reference/Glossary (Continued)

Symbol	Description	T	Common	Routine	L_File
PGATEN	<pre>gate - leading edge.) Prediction gate trailing edge in</pre>	D	/RGAT/	RGATE M	L COMVID
	microseconds.	N	/ Man 1/	MATE M	F_COMAID
PINT	Pitch integrator output in degrees.	R	/AUTO/	AUTO3	LAIR
			/AUTO/	AUTO2	L REFAIR
		R	/AUTO/	INITHE M	L REFAIR
			/AUTO/		LREFAIR
		R	/AUTO/	INT2 M	LREFSEEK
PLSDEL	Minimum pulse width to be reported as a separate slice in microseconds.	R	/PRECV/	COMPVD	L_COMVID
POLFIG	Polarization flag. 1=Vertical.	I	/MPBLK2/	MPINIT M	L REPENVMT
	0=Horizontal.	I	/MPBLK2/	MPMAIN	L REFENANT
PSB	Target pitch angle off boresight in	R	/SKR/	RGATE M	L COMVID
	degrees.	R	/SKR/	PLOTIT	LCORE
			/SKR/	MODPLX	L_COSRO
			/SKR/	MODXM3	L_MONO
PSI	Missile yaw angle in degrees.		/AIRSKR/		L_TOCAL
			/AIRSKR/		LAIR
			/AIRSKR/		r_comaid
			/AIRSKR/		LCONTRL
			/AIRSKR/		LCORE
			/AIRSKR/		LREFAIR
			/AIRSKR/		
	•		/AIRSKR/		_
			/AIRSKR/		L REFAIR
DCTD	Digh the angle relative to missile		/AIRSKR/		LREFSEEK
PSIB	Dish yaw angle relative to missile		/AIRSKR/		LAIR
	body in degrees.		/AIRSKR/		L COMVID L REFAIR
			/AIRSKR/ /AIRSKR/		L REFSEEK
PSID	Yaw base servo output in degrees.		/AUTO/		L AIR
FOLD	iam pase servo output in degrees.		/AUTO/		LREFAIR
		R	/AUTO/	INTTHE M	L REFAIR
		B	/AUTO/	INITIMS M	LREFAIR
		R	/AUTO/	INT2 M	L REFSEEK
PSIMAX	Maximum azimuth angle stored in		/INTERP/		L REFSEEK
	degrees.		/INTERP/	-	L REFSEEK
PSIMIN	Minimum azimuth angle stored in		•		L REFSEEK
	degrees.				L REFSEEK
PSISPC	Specular angle in radians.		/MPATHI/		
	-		/MPATHI/		
PICH	Previous value of body pitch in	R	/KINE/	INITHR M	L REFAIR
	radians.	R	/KINE/	INITMS M	L REFAIR L REFAIR L COMVID L SLO32
		R	/KINE/	KINE2 M	LREFAIR
PULST	Leading edge of the complex video	R	/CV/	COMPVD M	L_COMVID
	slice in microseconds.	R	/CV/	VUGATE	L SLQ32

NOTES: "M" column indicates variable is modified. "T" column heading indicates type attribute.

APPENDIX C - SLOAPP Cross-Reference/Glossary (Continued)

Pulsw   Pulsw width of the complex video   R   CV   ROTRAK   COMVID   R   CV   R   CV   CV   R   CV   CV	Symbol	Description	T	Common	Routine	L_File
RALT	PULSW				COMPVD M	
RALT		slice in microseconds.	R	/CV/	rgirak	
RANGE Range from ship to missile in meters. RANTO/ INITEMS M L REPAIR RANTO/ RANTOM RANTOM RANTOM RANTOM M L CORE RANTOM M L CORE RANTOM RANTOM RANTOM M L CORE DAMP RANTOM RANTOM M L CORE RANTOM RANTOM M L CORE RANTOM RANTOM M L CORE DAMP RANTOM M L CORE RANTOM M L CORE RANTOM RANTOM RANTOM M L CORE RANTOM RANTOM RANTOM RANTOM M L CORE RANTOM RANT			R	/CV/	DOTPR	L REFSEEK
RANGE Range from ship to missile in meters. RANTO/ INITEMS M L REPAIR RANTO/ RANTOM RANTOM RANTOM RANTOM M L CORE RANTOM M L CORE RANTOM RANTOM RANTOM M L CORE DAMP RANTOM RANTOM M L CORE RANTOM RANTOM M L CORE RANTOM RANTOM M L CORE DAMP RANTOM M L CORE RANTOM M L CORE RANTOM RANTOM RANTOM M L CORE RANTOM RANTOM RANTOM RANTOM M L CORE RANTOM RANT	RALT	Rate altimeter output in meters.	R	/AUTO/	AUTO3	LAIR
RANGE Range from ship to missile in meters. R /AUTO/ INITER M L REPAIR R /AUTO/ INITES M L REPAIR R /AUTO/ INITE M L TREPSEEK R /AUTO/ INITE M L CONTIL R /SKRENV/ AVGDAT L CONTRL R /SKRENV/ MODPLX L COGNOR R /SKRENV/ MODPLX L COGNO R /SKRENV/ MODPLX L MONO R /SKRENV/ MODPLX L TOORE D /RANCOW/ INITES M L TREPAIR R /SKRENV/ INITES M L TREPAIR R /SKRENV/ MODPLX L TOORE D /RANCOW/ INITES M L TOONID D /RANCOW/ INITE M L TOONID D /RANCOW/ INITES M L TOONID D		•	R	/auto/	AUTO2	LREFAIR
RANGE Range from ship to missile in meters. R /AUTO/ INTZ M L_REFSEEX R /AUTO/ INTZ M L_REFSEEX R /AUTO/ INTZ M L_REFSEEX M L_CONVID R /SKRENV/ ROATE M L_CONVID R /SKRENV/ INITE M L_CORT L R /SKRENV/ INITE M L_CORT L R /SKRENV/ MODM3 L MONO R /SKRENV/ INITES M L_REFAIR R /SKRENV/ INITES M L_CORE D /RANCOW RANDOM M L_CORE D /RANCOW RANDOM M L_CORE D /RANCOW RANDOM M L_CORE R /CRNDSC /MODM3 L_MONO R /CRNDSC /MODM3 L_MONO R /CRNDSC /MODM3 L_CORE L_CORE R /CRNDSC /MODM3 L_CORE R /CRNDSC /MODM3 L_CORE L_CORE R /CRNDSC /MODM3 L_CORE L_CORE R /PARAM/ INITE M L_CORE R /CRNDSC /MODM3 L_CONTIN R /CONTIN L_CORE L_CORE R /SCINT/ INITS M L_CORE R /SCINT/ INITS M L_CORE L_CORE R /SCINT/ INITS M L_CORE L_REFERNMT R /SCINT/ INITS M L_CONVID R /SCINT/ TOORSC L_REFERNMT L_CONVID R /INIT/ CONTIN L_CONVID R /INIT/ CONTIN L_CONVID R /INIT/ WUGATE L_SLO32 R /INIT/ WUGATE L_SLO32 R /INIT/ WUGATE L_SLO32 R /INIT/ WUGATE M L_CONVID M incroseconds.  RGATEN Range gate trailing edge in microseconds.  RGATEN Total range gate length in microseconds.  RGATIN Total range gate length in microseconds.  RGATIN Total range gate length in microseconds.  RGATIN Total range gate length in microseconds.  RCATIN Total range gate length in microseconds.  RCATIN Total range gate length in microseconds.			R	/AUTO/	INITHR M	
RANGE Range from ship to missile in meters. R /AUTO/ INT2 M L REFSEEK R / SKRENV/ AGDAT R / SKRENV/ ANGDAT L CONTRL R / SKRENV/ MODPLX L COSRO R / SKRENV/ INITHE M L CORE R / SKRENV/ INITHE M L CORE R / SKRENV/ INITHS M L REFAIR R / SKRENV/ INITHS M L CORE D / RANCOM/ RANDOM M L CORE R / CRNDSC/ REDSCM MODPM3 L MOND M M M M M M M M M M M M M M M M M M M			R	/AUTO/	INITMS M	
RANGE Range from ship to missile in meters. R /SKRENV/ RGATE M L_CONVID R /SKRENV/ AVGDAT L_CONTRL R /SKRENV/ MODPLX L_CORE R /SKRENV/ MODPLX L_CORE L_CORE R /SKRENV/ MODPLX L_CORE R /SKRENV/ MODM3 L_MONO R /SKRENV/ MODM3 L_MONO R /SKRENV/ INITHE M L_REFAIR R /SKRENV/ INITHS M L_CORE D /RANCOM/ RANDOM M L_CORE R /CRNDSC / MODPLX L_CORE M /RANDOM M L_CORE M /RANDOM			R	/AUTO/	INT2 M	
R / SKRENV/ AVGDAT   L CONTRL   R / SKRENV/ INITE   L CORE   R / SKRENV/ MODPLX   L CORE   L COSRO   L ECON   L ECON   L ECON   L ECON   R / SKRENV/ MODPLX   L ECON   L ECON   L ECON   R / SKRENV/ INITHS   L ECON   L ECON   R / SKRENV/ INITHS   M L ERFAIR   R / SKRENV/ INITHS   M L ECON   MODPM3   L MONO   R / CRNDSC   MODPM3   L MONO   R / CRNDSC   MODPM3   L MONO   R / CRNDSC   R / CRNDSC   MODPM3   L MONO   R / CRNDSC   R / CRNDSC	RANGE	Range from ship to missile in meters.	R	/SKRENV/	RGATE M	
R /SKRENV/ INITE M L_CORE R /SKRENV/ MODPLY L_ECM L_COSRO R /SKRENV/ INITER M L_REFAIR RANQO Current random seed. (Do not alter.) D /RANCOM/ INITER M L_REFAIR RANQO Current random phase angle (the same angle as RSIN). R /CRNDSC/ MODPLY L_COSRO RANDOM M L_CORE D /RANCOM/ INITAM M L_CORE L_COSRO RANDOM R /CRNDSC/ MODPLY L_COSRO R /CRNDSC/ MODPLY L_COMVID MICROSECONDS/SECOND**  R /CRNDSC/ MODPLY L_COSRO R /CRNDSC/ MODPLY L_COMVID MICROSECONDS.  REDDOTLM Range gate leading edge in R /CNT/ HOTSET L_COMVID MICROSECONDS.  REPPRES Probability that the decoy will R /VDECO/ INITE M L_COMVID R /CNT/ HOTSET L_SLQ32 R /INT/ MODPLY L_		•				_
R /SKRENV/ MODPLX L_COSRO R /SKRENV/ BCMAMP R /SKRENV/ MODMAS L_MONO R /SKRENV/ MODMAS L_MONO R /SKRENV/ INITHE M L_REFAIR RANQO Current random seed. (Do not alter.) D /RANCOW INITHE M L_REFAIR R /SKRENV/ INITHE M L_COKE D /RANCOW RANDOM M L_COKE R /CRNDSC MODPLX L_COSRO R /CRNDSC MODPLX L_COSRO R /CRNDSC MODPLX L_COSRO R /CRNDSC MODPLX L_COSRO R /CRNDSC MODPLX L_COKE R /PARAW/ ROTRAK R /PARAW/ ROTRAK L_COMVID MICROSeconds/second**2. R /PARAW/ ROTRAK L_COMVID MICROSECONDS/SECONDS. R /PARAW/ INIT2 M L_COKE R /PARAW/ INIT3						
R /SKRENV/ ECMAMP L MONO R /SKRENV/ MODM3 R /SKRENV/ INITHS M L REFAIR RANQQ Current random seed. (Do not alter.)  Cosine of a random phase angle (the same angle as RSIN).  R/CRNDSC/ MODPLX L CORE D /RANCOM/ INITAN M L CORE RCOS Cosine of a random phase angle (the same angle as RSIN).  R/CRNDSC/ MODPLX L COGRO R /CRNDSC/ MODPLX L COMVID R /PARAM/ RITRAK L COMVID Microseconds/second*2.  R /PARAM/ INIT2 M L CORE R /PARAM/ INIT2 M L CORE R /PARAM/ INIT2 M L CORE R /PARAM/ INIT3 M L CORYID R						_
R /SKRENV/ MODM3 L L MONO R /SKRENV/ INTIME M L REFAIR RANQQ Current random seed. (Do not alter.) D /RANCOM/ RANDOM M L CORE D /RANCOM/ INTIME M L CORE D /RANCOM/ INTIME M L CORE D /RANCOM/ INTIRAN M L CORE D /RANCOM/ INTIRAN M L CORE Cosine of a random phase angle (the same angle as RSIN). R /CRNDSC/ MODM3 L MONO R /CRNDSC/ MODM3 L MODM3 L MONO R /CRNDSC/ MODM3 L						
R /SKRENV/ INITHE M L_REFAIR R /SKRENV/ INITHS M L_REFAIR R /SKRENV/ INITHS M L_REFAIR R /SKRENV/ INITHS M L_CORE D /RANCOM/ RANDOM M L_CORE D /RANCOM/ INITAN M L_CORE R /RANDOM M L_CORE R /RANDOM INITAN M L_CORE R /RANDOM INITAN M L_CORE R /RANDOM R /CRNDSC/ MODPLX L_CORNO R /RIDSC M L_REFSEEK R /RANDOM R /CRNDSC/ MODPLX L_CORNO R /RIDSC M L_REFSEEK R /RANDOM R /RAN				-		
RANQO Current random seed. (Do not alter.) D /RANCOM/ RANDOM M L CORE D /RANCOM/ INIRAN M L CORE COSINE OF A random phase angle (the Same angle as RSIN). R /CRNDSC/ MODPLX L COSRO R /CRNDSC/ MODPM3 L MONO R /CRNDSC M L REFSEEK R /PARAM/ INIT2 M L CORE R /SCINT/ INITD L CORE R /SCINT/ INITD L CORE R /SCINT/ TOORSC L REFENANT R /SCINT/ TOORSC L REFENANT R /SCINT/ HDT32 L SLQ32 R /INT/ WIGHT M L COMVID M icroseconds. RGATIN Total range gate length in M icroseconds. RGATIN Total range gate length in M icroseconds. RGATIN Total range gate length in M icroseconds. RGAT/ HDT32 L SLQ32 R /RGAT/ HDT32 L SLQ32				-		_
RANQQ Current random seed. (Do not alter.)  D /RANCOM/ RANDOM M L_CORE D /RANCOM/ INIRAN M L_CORE RCOS Cosine of a random phase angle (the same angle as RSIN).  R /CRNDSC/ MODEMA L_CORO RANGE ANDSC M L_REFSEEK RDDOT Range gate acceleration limit in microseconds/second**2.  RDOTLM Range gate velocity limit in microseconds/second.  RECHWR Threat power level in the decoy in dbm.  REPPRB Probability that the decoy will RF Radar frequency in hertz.  RF Radar frequency in hertz.  RGATE Range gate leading edge in microseconds. Equivalent to X(20).  RGATE Range gate trailing edge in microseconds.  RGATEN Range gate trailing edge in R /RGAT/ RGATE M L_COMVID M L_SLQ32 R /INT/ VUGATE L_SLQ32 R /INT/ VUGATE L_SLQ32 R /RAT/ HDT32 L_SLQ32						
Cosine of a random phase angle (the same angle as RSIN).  ROOT Range gate acceleration limit in microseconds/second**2.  RDOTM Range gate velocity limit in microseconds/second.  RECHWR Threat power level in the decoy in dbm.  REPPRB Probability that the decoy will repeat a given pulse.  RF Radar frequency in hertz.  RF Range gate leading edge in microseconds. Equivalent to X(20).  RGATE Range gate trailing edge in microseconds. Equivalent to X(20).  RGATEN Range gate trailing edge in microseconds.  RGATEN Range gate length in microseconds.  RGATIN Total range gate length in microseconds.  RF RGAT/ RGAT/ RGATE L CONVID L CONVID R /RGAT/ RGATE M L CONVID R /RGAT/ RGATE M L CONVID R /RGAT/ RGATE M L CONVID M L CONVID R /RGAT/ RGATE M L CONVID M L CONVI	RANCO	Current random seed. (Do not alter.)		•		
RCOS Cosine of a random phase angle (the same angle as RSIN).  R /CRNDSC/ MODMA3 L MONO L MONO L MONO L MONO L MONO L MONO L REPSEEK RDDOT Range gate acceleration limit in microseconds/second*2.  RDDOT Range gate velocity limit in microseconds/second.  RECHWR Range gate velocity limit in microseconds/second.  RECHWR Threat power level in the decoy in dbm.  REPPRB Probability that the decoy will repeat a given pulse.  RF Radar frequency in hertz.  RF Radar frequency in hertz.  RGATE Range gate leading edge in microseconds. Equivalent to X(20).  RGATE Range gate trailing edge in microseconds.  RGATEN Range gate trailing edge in microseconds.  RGATEN Range gate length in microseconds.  RGATEN Total range gate length in microseconds.  RANDOT RANDER/ MODMA3 R /CRNDSC/ MODMA3 L MONO L TOMVID L CONVID RANDER L CONVID RANDE						
RDDOT Range gate acceleration limit in microseconds/second**2.  RDDOT Range gate velocity limit in microseconds/second.  RDDOT Range gate velocity limit in R /PARAM/ ROTRAK L CONVID MITTS M L CORE  RDDOT RANGE	RCOS	Cosine of a random phase angle (the				
RDDOT Range gate acceleration limit in microseconds/second**2.  RDDOTM Range gate velocity limit in microseconds/second.  RECFWR Threat power level in the decoy in dbm.  REPPRB Probability that the decoy will repeat a given pulse.  RF Radar frequency in hertz.  RF Radar frequency in hertz.  RGATE Range gate leading edge in microseconds. Equivalent to X(20).  RGATEN Range gate trailing edge in microseconds.  RGATEN Range gate length in microseconds.  RGATEN Total range gate length in microseconds.  RF RGATI Total range gate length in microseconds.  RF RGAT/ RGAT/ RGATE L COMVID microseconds.  RF RGAT/ RGAT/ RGATE L COMVID MICROSECOMVID MIC						I. MONO
RDDOT Range gate acceleration limit in microseconds/second**2. R /PARAM/ RGTRAK L COMVID microseconds/second. R /PARAM/ RGTRAK L COMVID microseconds/second. R /PARAM/ RGTRAK L COMVID microseconds/second. R /PARAM/ INIT2 M L CORE RECHWR Threat power level in the decoy in dbm.  REPPRB Probability that the decoy will repeat a given pulse. R /VDECO/ ECMAMP M L ECM RF Radar frequency in hertz. R /SCINT/ INITS M L COMVID R /SCINT/ EMERCS L REFENAMT R /SCINT/ EMERCS L REFENAMT R /SCINT/ EMERCS L REFENAMT R /SCINT/ TCORSC L REFENAMT R /SCINT/ COMPVD L COMVID R /SCINT/ HDT32 L SLQ32 R /INT/ HDT32 L SLQ32 R /INT/ HDT32 L SLQ32 R /INT/ VUGATE L SLQ32 R /INT/ RGATE M L COMVID microseconds.  RGATEN Range gate trailing edge in microseconds. R /RGAT/ RGATE M L COMVID microseconds. R /RGAT/ RGATE M L COMVID R /RGAT/ RGATE M L COMVID R /RGAT/ RGATE I L COMVID R /RGAT/ RGATE I M L COMVID R /RGAT/ RGATE I M L COMVID R /RGAT/ HDT32 L SLQ32 R /RGAT/				•		
RDOTIM Range gate velocity limit in microseconds/second.  RECEWR Threat power level in the decoy in dbm.  REPPRB Probability that the decoy will repeat a given pulse.  RF Radar frequency in hertz.  RGATE Range gate leading edge in microseconds. Equivalent to X(20).  RGATEN Range gate trailing edge in microseconds.  RGATEN Range gate length in microseconds.  RGATIN Total range gate length in microseconds.  R /RGAT/ RGAT/ RGATE L COMVID R /RGAT/ RGATE L COMVID Microseconds.  R /RGAT/ RGAT/ RGATE L COMVID R /RGAT/ RGATE L COMVID Microseconds.  R /RGAT/ RGAT/ RGATE L COMVID Microseconds.  R /RGAT/ HDT32 L SLQ32 L SLQ32 R /RGAT/ RGATE L COMVID Microseconds.	RODOT	Range date acceleration limit in				_
RDOTLM Range gate velocity limit in microseconds/second. R /PARAM/ RGTRAK L_COMVID microseconds/second. R /PARAM/ INIT2 M L_CORE RECEWR Threat power level in the decoy in dbm.  REPPRB Probability that the decoy will repeat a given pulse. R /VDECO/ EDMAMP M L_ECM		• • • • • • • • • • • • • • • • • • •				
microseconds/second.  RECFWR Threat power level in the decoy in dbm.  REPPRB Probability that the decoy will repeat a given pulse.  RF Radar frequency in hertz.  RF Radar frequency in hertz.  R /VDECO/ ECMAMP L ECM RF Radar frequency in hertz.  R /VDECO/ ECMAMP L ECM R /SCINT/ INITS M L COMVID R /SCINT/ INITD L CORE R /SCINT/ INITD L CORE R /SCINT/ TCORSC L REFENANT R /SCINT/ TCORSC L REFENANT R /SCINT/ COMPVD L COMVID microseconds. Equivalent to X(20).  R /INT/ COMPVD L CONTRL R /INT/ HDT32 L SLQ32 R /INT/ WUGATE L SLQ32 R /RATE M L COMVID microseconds.  RGATIN Total range gate length in R /RGAT/ RGATE M L COMVID microseconds.  RGATIN Total range gate length in R /RGAT/ RGATE M L COMVID microseconds.  R /RGAT/ HDT32 L SLQ32	RDOTLM					
RECEWR Threat power level in the decoy in dbm.  REPPRB Probability that the decoy will repeat a given pulse. R /VDECO/ ECMAMP L ECM RF Radar frequency in hertz. R /SCINT/ INITS M L COMVID R /SCINT/ INITD L CORE R /SCINT/ EMERCS L REFENANT RATE Range gate leading edge in microseconds. Equivalent to X(20). R /INT/ COMTRL L COMTRL R /INT/ HDT32 L SLQ32 R /INT/ HDT32 L SLQ32 R /INT/ VUGATE L SLQ32 R /INT/ TOTAL RANGE gate length in microseconds.  RGATIN Total range gate length in R /RGAT/ RGATE M L COMVID MICROSECONDS. R /RGAT/ RGATE M L COMVID R /RGAT/ RGATE M	.40.4.					_
REPPRB Probability that the decoy will R /VDECO/ INITR M L CORE repeat a given pulse. R /VDECO/ ECMAMP L ECM  RF Radar frequency in hertz. R /SCINT/ INITS M L COMVID R /SCINT/ INITD L CORE  R /SCINT/ EMERCS L REFENVMT R /SCINT/ TCORSC L REFENVMT R /SCINT/ TCORSC L REFENVMT R /SCINT/ HDT32 L SLQ32 R /INT/ HDT32 L SLQ32 R /INT/ HDTSET L SLQ32 R /INT/ VUGATE L SLQ32 R /INT/ RGATE M L COMVID microseconds.  RGATIN Total range gate length in R /RGAT/ RGATE M L COMVID microseconds. R /RGAT/ RGATE M L COMVID R /RGAT/ RGATEI M L COMVID R /RGAT/ HDT32 L SLQ32 R /RGAT/ HDTSET L SLQ32	RECEWR			•		_
repeat a given pulse.  R /VDECO/ ECMAMP L ECM RF Radar frequency in hertz.  R /SCINT/ INITS M L COMVID R /SCINT/ INITD L CORE R /SCINT/ EMERCS L REFENVMT RCATE Range gate leading edge in microseconds. Equivalent to X(20).  R /INT/ COMPVD L COMVID R /INT/ CONTRL L CONTRL R /INT/ HDT32 L SLQ32 R /INT/ HDTSET L SLQ32 R /INT/ VUGATE L SLQ32 R /INT/ VUGATE L SLQ32 R /INT/ VUGATE L SLQ32 R /RATEN Range gate trailing edge in microseconds.  RGATIN Total range gate length in R /RGAT/ RGATE M L COMVID microseconds.  RGATIN Total range gate length in R /RGAT/ RGATE M L COMVID MICROSECONDS.  R /RGAT/ RGATE M L COMVID R /RGAT/ HDT32 L SLQ32			••	, 2001,		
RF Radar frequency in hertz.  R /SCINT/ INITS M L COMVID R /SCINT/ INITD L CORE R /SCINT/ EMERCS L REFENVMT R /SCINT/ TCORSC L REFENVMT R /SCINT/ COMPVD L COMVID MICROSECONDS. Equivalent to X(20).  R /INT/ CONTRL L CONTRL R /INT/ HDT32 L SLQ32 R /INT/ HDT32 L SLQ32 R /INT/ RGP032 L SLQ32 R /INT/ VUGATE L SLQ32 R /INT/ VUGATE L SLQ32 R /INT/ VUGATE M L COMVID MICROSECONDS.  RGATIN Total range gate length in MICROSECONDS.  RGATIN Total range gate length in MICROSECONDS.  R /RGAT/ RGATE M L COMVID MICROSECONDS.  R /RGAT/ RGATE M L COMVID R /RGAT/ RGATE M L COMVID R /RGAT/ HDT32 L SLQ32	REPPRB	Probability that the decoy will	R	/VDECO/	INITR M	L CORE
R /SCINT/ INITD L CORE R /SCINT/ EMERCS L REFENVMT R /SCINT/ TCORSC L REFENVMT R /INT/ COMPVD L COMVID R /INT/ HDT32 L SLQ32 R /INT/ HDT32 L SLQ32 R /INT/ HDTSET L SLQ32 R /INT/ RGP032 L SLQ32 R /INT/ VUGATE L SLQ32 R /INT/ VUGATE L SLQ32 R /INT/ VUGATE L SLQ32 R /RATE M L COMVID microseconds.  RGATUN Total range gate length in microseconds.  RGATUN Total range gate length in R /RGAT/ RGATE M L COMVID R /RGAT/ HDT32 L SLQ32 R /RGAT/ HDT32 L SLQ32 R /RGAT/ HDT32 L SLQ32 R /RGAT/ HDTSET L SLQ32		repeat a given pulse.	R	/VDECO/	ECMAMP	LECM
RGATE Range gate leading edge in R /SCINT/ TCORSC L REFENANT RSATE Range gate leading edge in R /INT/ COMPVD L COMVID microseconds. Equivalent to X(20). R /INT/ CONTRL L CONTRL R /INT/ HDT32 L SLQ32 R /INT/ HDTSET L SLQ32 R /INT/ RGP032 L SLQ32 R /INT/ VUGATE L SLQ32 R /INT/ VUGATE L SLQ32 R /INT/ VUGATE L SLQ32 R /INT/ Total range gate length in R /RGAT/ RGATE M L COMVID microseconds.  RGATUN Total range gate length in R /RGAT/ RGATE L COMVID R /RGAT/ RGATE IM L COMVID R /RGAT/ HDT32 L SLQ32	RF	Radar frequency in hertz.	R	/SCINT/	INITS M	LCOMVID
RGATE Range gate leading edge in microseconds. Equivalent to X(20). R /INT/ COMPVD L CONTRL R /INT/ CONTRL L CONTRL R /INT/ HDT32 L SLQ32 R /INT/ HDTSET L SLQ32 R /INT/ RGP032 L SLQ32 R /INT/ VUGATE L SLQ32 R /INT/ VUGATE L SLQ32 R /INT/ VUGATE L SLQ32 R /INT/ Total range gate length in R /RGAT/ RGATE M L COMVID microseconds.  RGATUN Total range gate length in R /RGAT/ RGATE L COMVID microseconds. R /RGAT/ RGATE L COMVID R /RGAT/ HDT32 L SLQ32		•	R	/SCINT/	INITD	L CORE
RGATE Range gate leading edge in microseconds. Equivalent to X(20). R /INT/ COMPVD L CONTRL R /INT/ CONTRL L CONTRL R /INT/ HDT32 L SLQ32 R /INT/ HDTSET L SLQ32 R /INT/ RGP032 L SLQ32 R /INT/ VUGATE L SLQ32 R /INT/ VUGATE L SLQ32 R /INT/ VUGATE L SLQ32 R /INT/ Total range gate length in R /RGAT/ RGATE M L COMVID microseconds.  RGATUN Total range gate length in R /RGAT/ RGATE L COMVID microseconds. R /RGAT/ RGATE L COMVID R /RGAT/ HDT32 L SLQ32			R	/SCINT/	<b>EMERCS</b>	LREFENVMT
RGATE Range gate leading edge in microseconds. Equivalent to X(20). R /INT/ COMTRL L CONTRL R /INT/ HDT32 L SLQ32 R /INT/ HDTSET L SLQ32 R /INT/ RGP032 L SLQ32 R /INT/ VUGATE L SLQ32 R /INT/ Total range gate length in R /RGAT/ RGATE M L COMVID microseconds.  RGATUN Total range gate length in R /RGAT/ RGATE L COMVID microseconds. R /RGAT/ RGATEI M L COMVID R /RGAT/ HDT32 L SLQ32 R /RGAT/ HDT32 L SLQ32 R /RGAT/ HDT32 L SLQ32						
microseconds. Equivalent to X(20). R /INT/ CONTRL L CONTRL R /INT/ HDT32 L SLQ32 R /INT/ HDTSET L SLQ32 R /INT/ RGPO32 L SLQ32 R /INT/ VUGATE L SLQ32 RGATEN Range gate trailing edge in R /RGAT/ RGATE M L COMVID microseconds.  RGATIN Total range gate length in R /RGAT/ RGATE L COMVID microseconds.  RGATIN Total range gate length in R /RGAT/ RGATE L COMVID R /RGAT/ RGATEI M L COMVID R /RGAT/ HDT32 L SLQ32 R /RGAT/ HDT32 L SLQ32 R /RGAT/ HDTSET L SLQ32	<b>RGATE</b>	Range gate leading edge in	R	/INT/	COMPVD	L COMVID
R /INT/ HDT32 L_SLQ32 R /INT/ HDTSET L_SLQ32 R /INT/ RGPO32 L_SLQ32 R /INT/ VUGATE L_SLQ32 RGATEN Range gate trailing edge in R /RGAT/ RGATE M L_COMVID microseconds.  RGATUN Total range gate length in R /RGAT/ RGATE L_COMVID microseconds.  R /RGAT/ RGATE L_COMVID R /RGAT/ RGATE L_COMVID R /RGAT/ HDT32 L_SLQ32 R /RGAT/ HDT32 L_SLQ32						
R /INT/ RGP032 L SLQ32 R /INT/ VUGATE L SLQ32 RGATEN Range gate trailing edge in microseconds.  RGATUN Total range gate length in microseconds.  RGATUN Total range gate length in R /RGAT/ RGATE L COMVID microseconds.  R /RGAT/ RGATEI M L COMVID R /RGAT/ HDT32 L SLQ32 R /RGAT/ HDTSET L SLQ32		-	R	/INT/	HDT32	L_SLQ32
R /INT/ RGP032 L SLQ32 R /INT/ VUGATE L SLQ32 RGATEN Range gate trailing edge in microseconds.  RGATUN Total range gate length in microseconds.  RGATUN Total range gate length in R /RGAT/ RGATE L COMVID microseconds.  R /RGAT/ RGATEI M L COMVID R /RGAT/ HDT32 L SLQ32 R /RGAT/ HDTSET L SLQ32			R	/INT/	HDTSET	L SLQ32
RGATEN Range gate trailing edge in microseconds.  RGATUN Total range gate length in microseconds.  RGATUN Total range gate length in microseconds.  RGATUN TOTAL RGATE L COMVID R / RGAT/ RGATE M L COMVID R / RGAT/ HDT32 L SLQ32 R / RGAT/ HDTSET L SLQ32						L SLQ32
microseconds.  RGATUN Total range gate length in R /RGAT/ RGATE L COMVID microseconds.  R /RGAT/ RGATEI M L COMVID R /RGAT/ HDT32 L SLQ32 R /RGAT/ HDTSET L SLQ32					VUGATE	
RGATUN Total range gate length in R /RGAT/ RGATE L COMVID microseconds. R /RGAT/ RGATEI M L COMVID R /RGAT/ HDT32 L SLQ32 R /RGAT/ HDTSET L SLQ32	RGATEN					
microseconds. R /RGAT/ RGATEI M L COMVID R /RGAT/ HDT32 L SLQ32 R /RGAT/ HDTSET L SLQ32	RCATIN	· - · · · · · · · · · ·	P	/RCAT/	RCATE	T. COMVTD
R /RGAT/ HDT32 L_SLQ32 R /RGAT/ HDTSET L_SLQ32						
R / RGAT/ HDTSET L_SLQ32		may by governor		•		
N / NOP 1/ NOP USE L SUUSE						
			л <del></del> -	/ NAN 1/	101032	r_2m32

AFPENDIX C - SLOAFP Cross-Reference/Glossary (Continued)

Symbol	Description	T	Common	Routine		L_File
DCA7PW	The RGPO transmitter azimuth		/SLQ32/	<b>ECMPAT</b>		L DOM
NONZON	beamwidth in degrees.		/SLQ32/		м	L SLQ32
RGELPM	The RGPO transmitter elevation		/SLQ32/			L ECM
	beanwidth in degrees.		/SLQ32/		М	
RGKEEP	Flag. 'T' indicates RGPO keeper pulse					
	is generated.	L	/SLQ32/	RGPO32		L SLQ32
RGPSYM	Flag. RGPO program symmetry:		/SLQ32/			
	'F'=Const accel, 'T'=Accel decel.		/SLQ32/			L SLQ32
RHO	Mean-to-median ratio.		/DISTYP/			LASCINT
			/DISTYP/			_
			/DISTYP/			L REFENMT
RICEM	Mean-to-median ratio for Rice		/BARAS/		4	
	distribution.		/BARAS/			L REFENVMT
<b>RJTOS</b>	J/S ratio of target 2 to target 1.		/VTEST1/		ч	
			/VTEST1/			L CONTRL
			/VTEST1/			L CONTRL
			/VTEST1/			L CORE
			/VTEST1/			
RMSWHT	RMS wave height in meters.		/MPATHI/			L CONTRL
	•		/MPATHI/		М	L CONTRL
			/MPATHI/			L CORE
			/MPATHI/			L CORE
RNCO	Correlation filter coefficient.		/RNDPR2/			L CORE
			/RNDPR2/			L REFENMT
			/RNDPR2/			L REFENANT
			/RNDPR2/			LREFENVMT
			/RNDPR2/			L REFENMT
			/RNDPR2/			LREFENVMT
RNCOM	Correlation filter coefficients.		/BARAS/			L CORE
			/BARAS/			LREFENVMT
		R	/BARAS/	RCO I		L REFENVMT
RNCOQ	Correlation filter coefficients.	R	/BARAS/	INITE !		LCORE
			/BARAS/			L REFENUMT
		R	/BARAS/	RCO 1	Ŋ	L REFENVMT
RPDACC	Repeater RGPO delay acceleration in		/VDECO/	INITR !		L CORE
	microseconds/second**2.	R	/VDECO/	RGPO32		L_SLQ32
		R	/VDECO/	RGPO		LREFECM
RPDMAX	Maximum value of RGPO repeater delay					LCORE
	in microseconds.		/VDECO/			L_SLQ32
		R	/VDECO/	RGPO		LREFECM
RPDMIN	Minimum value of RGPO repeater delay					
	in microseconds.		/VDECO/			L_SLQ32
			/VDECO/			LREFECM
RPDVEL	Repeater RGPO delay velocity in		/VDECO/			
	microseconds/second.		/VDECO/			L_REFL
RPDWLL	Repeater dwell time before RGPO sweep	R	/VDECO/	INITR !	4	L_CORE
	-					

NOTES: "M" column indicates variable is modified. "T" column heading indicates type attribute.

AFPENDIX C - SLOAPP Cross-Reference/Glossary (Continued)

Symbol	Description	T	Common	Routine	L File
	in seconds.		/VDECO/	RGPO32	L_SLQ32
			/VDECO/	RGPO	L_REFECM
RPPINT	Interval between pulses of a		/VDECO/		L_CORE
	multipulse decoy in microseconds.		/VDECO/	DLPLSE	L_REFECM
RPPNUM	Number of pulses in the transmitted		/VDECO/		L_CORE
	group of a multipulse decoy.		/VDECO/	DLPLSE	L_REFECM
RPSTIM	Starting time of latest repeater		/VDECO/		L CORE
	sweep in seconds.		/VDECO/	RGPO32 M	
			/VDECO/		L REFECM
RPIDEL	Decoy repeater turnaround delay in		/VDECO/	SETUP	LCONTRL
	microseconds.		/VDECO/		L_CORE
			/VDECO/		L_CORE
			/VDECO/		L_ECM
			/VDECO/		L_REFECM
RPTHLD	Decoy input power threshold in dbm.		/VDECO/		L_CORE
			/VDECO/		L_ECM
RPTPWR	Repeater transmit power in watts.		/VDECO/		L_CONTRL
			/VDECO/	HEDER1	L_CORE
			/VDECO/	INITR M	
			/VDECO/	ECMAMP	L_ECM
			/VDECO/	<b>ECMPAT</b>	L_ECM
			/VDECO/	HDTSET M	
RPTRIW	Repeater radar pulse width in		/VDECO/	INITR M	
	microseconds.		/VDECO/	RGPO32	L_SLQ32
RSIN	Sine of a random phase angle (the		/CRNDSC/		L_COSRO
	same angle as RCOS).		/CRNDSC/		L_MONO
			/CRNDSC/		LREFSEEK
RUNT'IM	Maximum duration of the run in		/PARAM/	MAIN	L LOCAL
	seconds.		/PARAM/	HEDER1	L_CORE
			/PARAM/		LCORE
			/PARAM/		L CORE
_				VUGATE M	
S	Table of sines of angles from 0 to 90 degrees.	R	/SINES/	RNDSCI M	LREFSEEK
S1	Table of sines of angles from 0 to 90 degrees.	R	/SINES/	RNDSC	L_REFSEEK
SCINT	Amplitude scintillation array.	R	/SCINT/	DECHO	L ASCINT
	•		/SCINT/		LCORE
			/SCINT/	AMERCS	L REFENMET
			/SCINT/		L REFENUMT
			/SCINT/	<b>EMERCS</b>	L REFENUMT
			/SCINT/	MIXPR	LREFENVMT
			/SCINT/	MNTOMD	L REFENVMT
			/SCINT/		L REFENVMT
			/SCINT/	RAPR3	LREFENVMT
			/SCINT/	RAPR4	L REFENMET

## APPENDIX C - SLCAPP Cross-Reference/Glossary (Continued)

Symbol	Description	T	Common	Routine	L_File
			/SCINT/		L_REFENVMT
			/SCINT/		LREFENVMT
					LREFENVMT
		R	/SCINT/	TARANG M	L_REFENVMI
		R	/SCINT/	TARDEN	LREFENVMI
			/SCINT/		L_REFENVM1
SEACL	Sea clutter array.			INITE M	
SEACON	Sea conductivity coefficient.				LREFENVM
			/MPBLK4/		LREFENVMI
SEADIE	Sea dielectric constant.				L_REFENVM1
			/MPBLK4/		L_REFENVM1
SEARUF	Sea roughness factor.			AVGDAT M	
			/MPATHI/		L_CONTRL
				INIT2 M	
SHFTRG	Shift register.			MNLCKI M	
					L REFSEEK
SIGMB	Median RCS at bow in meters**2.	R	/Baras/	INITE M	LCORE
		R	/Baras/	AMERCS	LREFENVM
SIGME	Current value of median RCS in	R	/MCSAS/	DECHO	LASCINT
	meters**2.	R	/MCSAS/	AVGDAT	L CONTRL
			/MCSAS/		L CONTRL
			/MCSAS/		LCORE
			/MCSAS/		LCORE
		R	/MCSAS/	AMERCS M	L REFENVM
		R	/MCSAS/	EMERCS M	L REFENUM?
		R	/MCSAS/	RAPR1	L REFENOM
			/MCSAS/		L REFENOM
			/MCSAS/		L REFENUM?
			/MCSAS/		L REFENVM
			/MCSAS/		L REFENOM
SIGMP	Median RCS at port and starboard in		/MCSAS/		
	meters**2.		/MCSAS/		L REFENUM
SIGMS	Median RCS at stern in meters**2.		/MCSAS/		
			/MCSAS/		L REFENUM
SIGP	Sight-line angle to target in pitch		/SKRENV/		L LOCAL
	in degrees.		/SKRENV/		L COMVID
	23 <b>,</b> 23331			DCMPAT	_
			/SKRENV/		L REFENUM
SIGPO	Previous value of pitch sight-line			INITE M	
J.U. U	angle in degrees.				L REFENVMT
STOPST	Previous value of PSISPC; used in				L REFENVM
	SIGTST.				L REFENIM
SIGY	Sight-line angle to target in yaw in		/SKRENV/		L LOCAL
JIGI	degrees.			RGATE M	
	achteas.		/SKRENV/		L CONTRL
			-		L CORE
		K	/SKRENV/	TMIID	r cour

NOTES: "M" column indicates variable is modified. "T" column heading indicates type attribute.

APPENDIX C - SLOAPP Cross-Reference/Glossary (Continued)

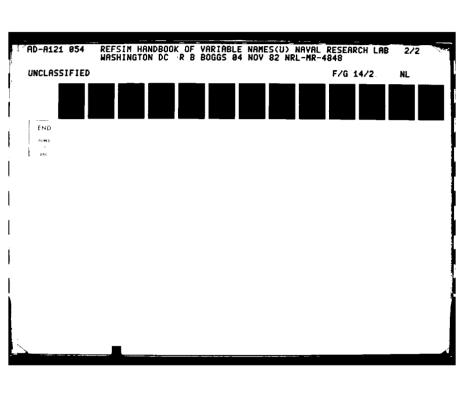
Symbol	Description	T	Common	Routine	L_File
		R	/SKRENV/	INITE M	L CORE
		R	/SKRENV/	ECMPAT	LECM
		R	/SKRENV/	TARANG	L REFENMT
SKREWR	Threat seeker transmit power in watts	.R	/SKRENV/	INITS M	L COMVID
	•		/SKRENV/		L ECM
			/SKRENV/		LREFSEEK
SNDATE	Date run was started.	D	/LOGCOM/	SNLOG M	L CONTRL
SNTIME	Time run was started.	D	/LOGCOM/	SNLOG	L CONTRL
SPTCH	Previous value of sine of pitch.	R	/KINE/	INITHR M	L REFAIR
	•	R	/KINE/	INITMS M	L REFAIR
			/KINE/		
SSCAN	Sine of beam scanner angle.	R	/SCAN/	MODPLX	LTCOSRO
	<b>,</b>		/SCAN/		L REFENANT
					LREFSEEK
			/SCAN/		L REFSEEK
STGWTH	Spli' track gate width in		/DCOY/		L_COMVID
	microseconds.				L COMVID
			/DCOY/	RGATEI	L COMVID
			/DCOY/	ASSESS	L CONTRL
			/DCOY/		L CONTRL
		R	/DCOY/	INITD	L CORE
		R	/DCOY/	RGPO32	L SLQ32
		R	/DCOY/	VUGATE	L SLO32
		R	/DCOY/	DLPLSE	L REFECM
SUFFIX	Suffix to indicate model type:		/PRINT/		L LOCAL
0000000	".C"=Cosro. ".M"=Mono.		/PRINT/		L CONTRL
SUM	Cumulative change in aspect angle in		/DISTYP/		L CORE
	degrees.				L REFENOMT
SUMI	Imaginary part of antenna gain sum		/INTOUT/		L MONO
	channel.		/INTOUT/		LREFSEEK
			/INTOUT/		L REFSEEK
			/INTOUT/		L REFSEEK
					LREFSEEK
SUMPAI	Sum pattern (imaginary part).		/PATRN2/		LREFSEEK
	the formation (among and a first of the firs		/PATRN2/		L REFSEEK
SUMPAR	Sum pattern (real part).		/PATRN1/		L REFSEEK
	the factors (read factor)		/PATRN1/	· · ·	
SUMR	Real part of antenna gain sum channel				L MONO
	The proof of the p		/INTOUT/		LREFSEEK
			/INTOUT/		L REFSEEK
					L REFSEEK
					L REFSEEK
SUMRR	Equivalenced to "SUMPAT".				L REFSEEK
					L REFSEEK
	Sum pattern.		/PATSYM/		LREFSEEK
	Previous value of sine of yaw.		/KINE/		L REFAIR
			,,		

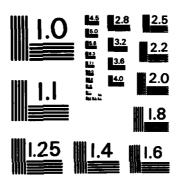
APPENDIX C - SLOAPP Cross-Reference/Glossary (Continued)

Symbol	Description	T	Common	Routine		L_File
			/KINE/			L_REFAIR
_			/KINE/		M	LREFAIR
T	T array. Contains time constants,		/PARAM/	MAIN		L_LOCAL
	etc. See also APPENDIX D.		/PARAM/			L_COMVID
			/PARAM/		M	L_CORE
			/PARAM/	PLOTIT		L_CORE
			/PARAM/	AGC 2		L_REFSEEK
			/PARAM/	DEMOD2		L_REFSEEK
			/PARAM/	DOTPR		L_REFSEEK
			/PARAM/	DISH2		L_REFSEEK
			/PARAM/	DISHM		L_REFSEEK
		R	/Param/	<b>LOCKS</b>		LREFSEEK
TACC	Noise loop filter time constant.	R	/NGC/	INITS I	4	L COMVID
		R	/AGC/	AGC 2		LREFSEEK
TBEGIN	Target echo leading edge in	R	/RGAT/	RGATE I	Ч	L COMVID
	microseconds. Duplicate of TGTDLY.	R	/RGAT/	MODPLX		L COSRO
	•	R	/RGAT/	MODXM3		L MONO
TOPLOY	Target deployment time in seconds.		/VCORE/	AVGDAT		L CONTRL
	See also APPENDIX D.		/VCORE/	SETUP		L CONTRL
			/VCORE/		4	LCORE
			/VCORE/	INITE		L CORE
			/VCORE/	INITR		L CORE
			/VCORE/		М	L REFECM
			/VCORE/			L REFTGT
			/VCORE/			L REFTGT
			/VCORE/	TARGET		L REFTGT
TEND	Target echo trailing edge in				М	L COMVID
	microseconds.		/RGAT/	MODPLX		L COSRO
			/RGAT/	MODXM3		L MONO
TGTAMP	Target return level computed in		/SKRENV/			L COMVID
	missile receiver 'n volts.		/SKRENV/			L CORE
			/SKRENV/		•	L CORE
			/SKRENV/		W	
			/SKRENV/			L MONO
TOPATT	Target turning rate in degrees/second.					L CORE
.0.55.	inty of the inity to the in adjusted occording		/SKRENV/			L CORE
			/SKRENV/			L CORE
			/SKRENV/			L REFTGT
			/SKRENV/			L REFTGT
TOTAL DE	Target bearing COW from positive		/SKRENV/			L CONTRL
101010	X-axis in degrees.		/SKRENV/			L CORE
	n what til doglets		/SKRENV/			L CORE
			/SKRENV/			L CORE
					7	L CORE
			/SKRENV/			L CORE
			/SKRENV/			_
		K	/skrenv/	ELMPAT'		L_ECM

NOTES: "M" column indicates variable is modified.

<sup>&</sup>quot;T" column heading indicates type attribute.





MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS-1963-A

## APPENDIX C - SLOAPP Cross-Reference/Glossary (Continued)

Symbol Description	T	Common	Routine	L_File
	R	/SKRENV/	TARANG	L REFENVMT
	R	/SKRENV/	ABOARD M	L REFTGT
	R	/SKRENV/	DECOY M	LREFTGT
	R	/SKRENV/	SHIP M	L REFTGT
TGTDLY Leading edge of target pulse received	R	/SKRENV/	PLOTIT	LLOCAL
by seeker in microseconds.	R	/SKRENV/	RGATE M	L COMVID
·	R	/SKRENV/	ASSESS	L CONTRL
	R	/SKRENV/	CONTRL	L CONTRL
	R	/SKRENV/	HEDER2	LCORE
	R	/SKRENV/	INITC M	LCORE
	R	/SKRENV/	PLOTIT	LCORE
	R	/SKRENV/	ECMDLY M	L ECM
	R	/SKRENV/	HDTSET M	L SLQ32
	R	/SKRENV/	RGP032 M	L SLQ32
	R	/SKRENV/	VUGATE	L SLQ32
	R	/SKRENV/	DLPLSE M	LREFECM
TGTRCS RCS in square meters or ERP in watts.	R	/SKRENV/	PLOTIT	LLOCAL
	R	/SKRENV/	AVGDAT	LCONTRL
	R	/SKRENV/	INIT2 M	LCORE
	R	/SKRENV/	INITC M	LCORE
	R	/SKRENV/	PLOTIT	LCORE
	R	/SKRENV/	MODPLX	L_COSRO
	R	/SKRENV/	ECMAMP M	LECM
	R	/SKRENV/	ECMPAT M	LECM
	R	/SKRENV/	EMXCOM	L_MONO
	R	/SKRENV/	HDT32	L_SLQ32
	R	/SKRENV/	RAPR1 M	LREFENVMT
	R	/SKRENV/	RAPR2 M	LREFENVMT
		/SKRENV/		LREFENVMT
		/SKRENV/		LREFENVMT
		/SKRENV/		L_REFENVMT
TGTRFW Width of target pulse received by		/SKRENV/		L_COMVID
seeker in microseconds.		/SKRENV/		L CONTRL
		/SKRENV/		L CONTRL
		/SKRENV/		L CONTRL
		/SKRENV/		
		/SKRENV/		L_CORE
		/SKRENV/		
		/SKRENV/		
		/SKRENV/		
		/SKRENV/		L_SLQ32
TGTVEL Target velocity in knots.		/SKRENV/		L CONTRL
		/SKRENV/		L CORE
		/SKRENV/		L CORE
		/SKRENV/		LCORE
	R	/SKRENV/	DECOX	L_REFTGT

NOTES: "M" column indicates variable is modified.
"T" column heading indicates type attribute.

APPENDIX C - SLOAPP Cross-Reference/Glossary (Continued)

Symbol	Description	T	Common	Routine	L_File
		R	/SKRENV/	SHIP	L REFTGT
TGTXCO	Target position on X-axis in meters.		/SKRENV/		L LOCAL
	•		/SKRENV/		L LOCAL
			/SKRENV/		LCOMVID
		R	/SKRENV/	SETUP	L CONTRL
			/SKRENV/		LCORE
			/SKRENV/		L CORE
			/SKRENV/		L CORE
		R	/SKRENV/	TARANG	L REFENVMT
		R	/SKRENV/	ABOARD M	L REFTGT
		R	/SKRENV/	CHAFF M	L REFTGT
		R	/SKRENV/	DECOY M	LREFTGT
		R	/SKRENV/	SHIP M	LREFTGT
TGTYCO	Target position on Y-axis in meters.	R	/SKRENV/	PLOTIT	LLCCAL
		R	/SKRENV/	RGATE	L COMVID
		R	/SKRENV/	SETUP	L CONTRL
		R	/SKRENV/	INIT2 M	LCORE
	·	R	/SKRENV/	INITC M	L_CORE
		R	/SKRENV/	INITE	L_CORE
		R	/SKRENV/	ABOARD M	L_REFTGT
			/SKRENV/		L_REFTGT
	•		/SKRENV/		L_REFTGT
			/SKRENV/		L_REFTGT
TGTZCO	Target position on Z-axis in meters.		/SKRENV/		L_COMVID
			/SKRENV/		LCONTRL
			/SKRENV/		L_CORE
			/SKRENV/		LCORE
			/SKRENV/		L_CORE
			/SKRENV/		L_CORE
			/SKRENV/		L_REFENVMT
			•	ABOARD M	_
			/SKRENV/		L REFTGT
			/SKRENV/		LREFIGT
THBOW	Aspect angle where depression starts		/BARAS/		L CORE
	in degrees.		/BARAS/		L REFENVMT
'IHEMAX	Maximum elevation angle stored in				LREFSEEK
MUCM TAI	degrees.		•	ANTNA 2	L REFSEEK
T LICES TIN	Minimum elevation angle stored in degrees.				L REFSEEK
muem	<b>₹</b>			ANTNA 2	L REFSEEK
THET	Azimuth argument for antenna interpolation routine in degrees.		•	MODXM3 M	_
	incerpotation toucine in degrees.		/INTSYM/		L REFSEEK L REFSEEK
ת ונומטיי	Constant associated with update test				L REFENOMT
TUVULL	in SIGTST.		/MPBLK6/		L REFENOMT
THTD	Pitch base servo output in degrees.			AUTO3	L AIR
11110	rate nase servo output in degrees.		/AUTO/		L REFAIR
		n	\ WOTO\	MUIU2	r_urratu

APPENDIX C - SLOAFP Cross-Reference/Glossary (Continued)

Symbol	Description	T	Common	Routine	L_File
		R	/AUTO/	INITHR M	L REFAIR
		R	/AUTO/	INITMS M	LREFAIR
		R	/AUTO/	INT2 M	L REFSEEK
THTG	Missile pitch angle in degrees.	R	/AIRSKR/	PLOTIT	LLOCAL
		R	/AIRSKR/	AUTO3	L_AIR
			/AIRSKR/		L_COMVID
		R	/AIRSKR/	PLOTIT	L_CORE
			/AIRSKR/		L_REFAIR
			/AIRSKR/		
			/AIRSKR/		
			/AIRSKR/		L_REFAIR
		R	/AIRSKR/	MLTPTH	LREFENVMT
		R	/AIRSKR/		L REFSEEK
THTL	Yaw lead gyro angle in degrees.		/AUTO/	AUTO3	L_AIR
			/AUTO/	AUTO2	L REFAIR
		R	/AUTO/		L RFFAIR
		R	/AUTO/		LREFAIR
			/AUTO/		LREFSEEK
TIME	Accumulated run time in seconds.		/ASE/	MAIN	L_LCCAL
			/ASE/	<b>AVGD</b> ÁT	L_CONTRL
			/ASE/	CONTRL	L_CONTRL
			/ASE/	INITC M	
			/ASE/	PLOTIT	L_CORE
	•		/ASE/	HDTSET	L_SLQ32
			/ASE/	RGPO32	L_SLQ32
			/ASE/	VUGATE	L_SLQ32
			/ASE/	RGPO	L_REFECM
			/ASE/	TARANG	L_REFENVMT
			/ASE/	MLTPTH	L REFENVMT
			/ASE/		LREFSEEK
			/ASE/	DECOY	L REFTGT
			/ASE/	TARGET	L REFTGT
TIMEO	Previous value of time in seconds.		/SCINT/		L CORE
	mi 91		/SCINT/		L REFENVMT
TITLE	First line of output data file title.			SUMMRY	LCONTRL
			/VTEST1/		LCORE
m=m= = = =	Comma lime of outmost data file bitle		/VTEST1/		
TITLE	Second line of output data file title				L_CONTRL
			/VTEST1/		_
many a s	Whind lime of submode data file bits.		/VTEST1/		
TITLES	Third line of output data file title.				
MD & MT A	Mhyant ambanna gair matic		/VTEST1/		
	Threat antenna gain ratio.				L REFENVMT
TRIM	Gravity offset in degrees.	R	/ AU1/U/	MUIUS	L AIR L REFAIR
		K	\VOIO\	THIMMS W	T DEEP TO
	7-10-77-0-0-78-0-0-0-0-0-0-0-0-0-0-0-0-0-0-		/AUTO/	TUTINO W	r_veryty

APPENDIX C - SLOAPP Cross-Reference/Glossary (Continued)

Symbol	Description	T	Common	Routine	L_File
TRMIX	Percent of major aspect density type in mixed regions.		/DISTYP/		L_CORE L_REFENVMT
	in mixed regions.		/DISTYP/		L REFENMT
TVID	Time of arrival of the complex video		/PRECV/		L COMVID
	signal edge (microseconds).		/PRECV/		
			/PRECV/		
			/PRECV/		L SLQ32
TWTFWR	Decoy TWT output in watts.		/DCOY/		L CONTRL
USPM	Two-way signal travel time in		/CONST/		LCOMVID
	microseconds/meter.		/CONST/		L COMVID
		R	/CONST/	SETUP	L CONTRL
	•		/CONST/	INIT2	LCORE
		R	/CONST/	INITC M	LCORE
		R	/CONST/	INITR	LCORE
VARB IN	Array of variable bins to save data	R	/VTEST1/	ASSESS	LCONTRL
	for restart.	R	/VTEST1/	RESTRT M	
VDOAZ	Real array equivalent to "CVDOAZ", azimuth difference video.	R	/CV/	COMPVD M	r_comaid
VDOEL	Real array equivalent to "CVDOEL", elevation difference video.	R	/CV/	COMPVD M	L_COMVID
VEL	Missile velocity vector in meters/	R	/KINE/	RGTRAK	L COMVID
	second.	R	/KINE/	SETUP	L CONTRL
		R	/KINE/	INITC M	L_CORE
		R	/KINE/	INITE	LCORE
			/KINE/	KINE2	L_REFAIR
VID	Real array equivalent to "CVID",		/PRECV/		L_COMVID
	complex video sum "deltas".		/CV/	rgtrak	L_COMVID
			/PRECV/	MODPLX M	
			/PRECV/	MODXM3 M	_
			/PRECV/		L_SLQ32
	Production 1 to Removal		/CV/	VUGATE	L SLQ32
VIDA	Equivalenced to "CVDOAZ".		/CV/		L REFSEEK
VIDAZ	Real array equivalent to "CVIDAZ",		/PRECV/		L_COMVID
	azimuth difference video.		/PRECV/	MODXM3 M	
UTDO	Emiliari anna i ha MORDORIN	_	/PRECV/	*****	L SLQ32
VIDE	Equivalenced to "CVDOEL".		/CV/		L REFSEEK
VIDEL	Real array equivalent to "CVIDEL", elevation difference video.		/PRECV/		L_COMVID
	elevation difference video.		/PRECV/	MODXM3 M	
UTDEA	Pools arreal are of the arms often wides		/PRECV/	HDT32 M	
VIDEO	Peak envelope of the composite video		/AGC/ /CV/	PLOTIT	L LOCAL L COMVID
	signal in volts.		/CV/ /AGC/		L COMVID
			/AGC/		L COMVID
			/AGC/	PLOTIT	L CORE
			/AGC/	AGC 2	L REFSEEK
			/AGC/	DEMOD2	L REFSEEK
		_^	, ~~/	-41002	7 1,01 0001

APPENDIX C - SLOAPP Cross-Reference/Glossary (Continued)

Symbol	Description	T	Common	Routine	L_File
		R	/AGC/	LOCK2	L REFSEEK
		R	/AGC/	MNLOCK	LREFSEEK
VIDMX2	Square of the video saturation	R	/CV/	M3SATV	LREFSEEK
	amplitude (magnitude).	R	/CV/	M3TRGI M	LREFSEEK
VIDS	Equivalenced to "CVIDEO".	R	/CV/	M3SATV M	LREFSEEK
VND	AGC noise voltage in volts.	R	/AGC/	INITS M	LCOMVID
	-	R	/AGC/	AGC2	LREFSEEK
VOUT	Log to the base 10 of the AGC signal	R	/AGC/	PLOTIT	LLCCAL
	in volts.	R	/AGC/	AGC2 M	LREFSEEK
VTHRSH	Detection threshold in volts.	R	/MNLK/	INITS M	L COMVID
		R	/MNLK/	RGTRAK	L COMVID
		R	/MNLK/	MNLCKI M	L MONO
		R	/MNLK/	MNLOCK	LREFSEEK
WAVLEN	Radar wavelength in meters.	R	/MPBLK2/	MPINIT M	L REFENMET
	•	R	/MPBLK2/	MPMAIN	L REFENUMT
WAVRMS	RMS wave height in meters.				L REFENVMT
	•		/MPBLK5/		L REFENVMT
WCAZBW	The W component transmitted azimuth		/SLQ32/	<b>ECMPAT</b>	L ECM
	beamwidth in degrees.		/SLQ32/	INISLO M	
<b>WCELBW</b>	The W component transmitted elevation			ECMPAT	LECM
	beamwidth in degrees.		/SLQ32/	INISLQ M	
WCFLAG	Flag. 'T' indicates that the W		/SLQ32/	PLOTIT	L CORE
	component is to be generated.		/SLQ32/	HDT32	L SLQ32
			/SLQ32/	HDTSET M	
WCPLSW	W component pulsewidth in		/SLQ32/	HDTSET	L SLQ32
	microseconds.		/SLQ32/	INISLQ M	
WCPRI	W component PRI in microseconds.		/SLQ32/	HDTSET	L SLQ32
	•		/SLQ32/	INISLQ M	
WCFWR	The ERP of the W component		/SLQ32/	HDTSET	L SLQ32
	transmitter in watts.		/SLQ32/	INISLQ M	
WCRAMP	Flag. 'T'=W component is ramp.		/SLQ32/	HDT32	L SLQ32
	'F'=Regular W component.		/SLQ32/	HDTSET	L SLQ32
	<b>3</b>		/SLQ32/	INISLQ M	
WJITTR	Uncertainty (jitter) in the value of		/SLQ32/	HDTSET	L SLQ32
	'WSTART' in microseconds.		/SLQ32/	INISLQ M	
WLEAD	Desired time that W component leads		/SLQ32/	HDTSET	L SLQ32
	the target in microseconds.		/SLQ32/	INISLQ M	
WOFFTM	Length of time in seconds that the W		/SLQ32/	HDTSET	L SLQ32
	component is off.		/SLQ32/	INISLQ M	
WONTIM	Length of time in seconds that the W		/SLQ32/	HDTSET	L SLQ32
	component is transmitted.		/SLQ32/	INISLQ M	
WSTART	Starting location of the W component		/SLQ32/	HDT32	L SLQ32
	pulse train in seconds.		/SLQ32/	HDTSET M	
	F		/SLQ32/	INISLO M	
WTRA IT.	Time in microseconds that end of W		/SLQ32/	-	L SLQ32
	component trails target.		/SLQ32/	INISLQ M	
		•	, onesar-	**************************************	~_~~~~

NOTES: "M" column indicates variable is modified.
"T" column heading indicates type attribute.

APPENDIX C - SLQAPP Cross-Reference/Glossary (Continued)

Symbol	Description	T	Common	Routine	L_File
WX	X component of wind in knots.	R	/DCOY/	INIT2 M	L CORE
			/DCOY/	CHAFF	l_reftgt
			/DCOY/	DECOY	L_REFIGT
WY	Y component of wind in knots.		/DCOY/		L_CORE
			/DCOY/	CHAFF	L_REFTGT
			/DCOY/	DECOY	L_REFTGT
X	X integrator array. See		/INT/	PLOTIT	L_LOCAL
	also APPENDIX D.		/INT/		L_COMVID
			/INT/	RGATE	L_COMVID
			/INT/		L COMVID
			/INT/	ASSESS	L CONTRL
	•		/INT/		L_CONTRL
			/INT/	HEDER2	L CORE
			/INT/		LCORE
			/INT/	PLOTIT	L CORE
			/INT/	DLPLSE	L REFECM
			/INT/	MLTPTH	LREFENVMT
			/INT/	AGC2	LREFSEEK
			/INT/		L REFSEEK
			/INT/		L REFSEEK
			/INT/	DEMOD2	L REFSEEK
			/INT/		L REFSEEK
			/INT/	DISH2	L REFSEEK
			/INT/		LREFSEEK
			/INT/		L REFSEEK
VTMAC	Imaginams mant of the multimath		/INT/	MNLOCK	L REFSEEK
XIMAG	Imaginary part of the multipath		/MPATHI/		L_COSRO
	factor.		/MPATHI/		L_MONO
vr	Toran limita for V super intervators		-		LREFENVMT
XL	Lower limits for X array integrators.				L_CORE
XLMDA	Wavelength in meters.				LCOMVID
			/SKRENV/		L CONTRL
			/SKRENV/		L_CONTRL
			/SKRENV/		L CORE
			•		_
VI MDA 2	Warral and that in make wett?		/SKRENV/		L ECM
ALMUNZ	Wavelength**2 in meters**2.		/SKRENV/		L REFSEEK
XLS	lower limits for Y array integrators		/SKRENV/		L COMVID
حمله	Lower limits for X array integrators in search mode.		/INT/	RGTRAK	L_COMVID
	III sedicii mode.		/INT/		L CORE
			/INT/	INT2	L REFSEEK
XLT	Towar limits for V arraw intorrestors				L COMVID
YFI	Lower limits for X array integrators in terminal mode.	ע	/INT/		L CORE
	TII CETIIITII IIIOTE.	מ	/INT/	INT2	L REFSEEK
XM	Missile Y mosition in meters		/ASE/	MAIN	L LOCAL
W	Missile X position in meters.		/ NOW	:.RJT14	

# APPENDIX C - SLOAPP Cross-Reference/Glossary (Continued)

Symbol	Description	T	Common	Routine	L_File
			/ASE/	PLOTIT	L LOCAL
			/ASE/	RGATE	L_COMVID
			/ase/	SETUP	L_CONTRL
			/ASE/	INITC M	LCORE
		R	/ASE/	INITE	L_CORE
		R	/ASE/	PLOTIT	L_CORE
			/ASE/	INITHR	L REFAIR
		R	/ASE/	Initms	LREFAIR
	•	R	/ase/	TARANG	LREFENVMT
			/ase/		L REFSEEK
XMEAN		R	/DCOY/	INIT2 M	L_CORE
	pulses in microseconds.	R	/DCOY/	INITD	L_CORE
XREAL	Real part of the multipath factor.	R	/MPATHI/	MODPLX	L_COSRO
		R	/MPATHI/	MODXM3	L_MONO
		R	/MPATHI/	MLTPTH M	LREFENVMT
XU	Upper limits for X array integrators.	R	/INT/	INITS M	L COMVID
		R	/INT/	INITC M	L_CORE
		R	/INT/	DISH2	L REFSEEK
XUS	Upper limits for X array integrators	R	/INT/	INITS M	L_COMVID
	in search mode.	R	/INT/	RGTRAK	L COMVID
		R	/INT/	INITC M	LCORE
		R	/INT/	INT2	LREFSEEK
XUT	Upper limits for X array integrators	R	/INT/	INITS M	LCOMVID
	in terminal mode.	R	/INT/	INITC M	LCORE
		R	/INT/	INT2	LREFSEEK
Y	Two dimensional array containing	R	/MPBLK3/	MPINIT M	LREFENVMT
	correlated gaussian processes.	R	/MPBLK3/	GAUBND M	L_REFENVMT
WAY	Previous value of body yaw in radians	.R	/KINE/	INITHR M	L REFAIR
		R	/KINE/	INITMS M	LREFAIR
		R	/KINE/	KINE2 M	LREFAIR
YDPGAN	Yaw differential channel processing	R	/CDOTPR/	DOTPR	LREFSEEK
	gain.	R	/CDOTPR/	DOTPRI M	LREFSEEK
YERR	Seeker yaw error signal.	R	/asyer/	DOTPR M	L REFSEEK
YGS	Correlated gaussian process.	R	/RNDPR2/	INITE M	LCORE
			/RNDPR2/		LREFENVMT
		R	/RNDPR2/	RAPR1 M	LREFENVMT
		R	/RNDPR2/	RAPR2 M	L REFENVMT
			/RNDPR2/		LREFENVMT
			/RNDPR2/		LREFENVMT
			/RNDPR2/		LREFENVMT
YM	Missile Y position in meters.		/ASE/	PLOTIT	L_LOCAL
			/ASE/	RGATE	L_COMVID
			/ASE/	SETUP	LCONTRL
			/ASE/		LCORE
		R	/ASE/	INITE	LCORE
		R	/ASE/	PLOTIT	LCORE

APPENDIX C - SLOAPP Cross-Reference/Glossary (Continued)

Symbol	Description	T Common Routine L File
YSB	Target yaw angle off boresight in degrees.	R /ASE/ INT2 M L REFSEEK R /SKRENV/ PLOTIT L LOCAL R /SKRENV/ RGATE M L COMVID R /SKRENV/ PLOTIT L CORE
		R /SKRENV/ MODPLX L COSRO R /SKRENV/ MODXM3 L MONO R /SKRENV/ MLTPTH L REFENUMT
ZM	Missile Z position in meters.	R /ASE/ MAIN L LOCAL R /ASE/ AUTO3 L AIR R /ASE/ RGATE L COMVID R /ASE/ SETUP L CONTRL
		R /ASE/ INITC M L CORE R /ASE/ INITE L CORE R /ASE/ PLOTIT L CORE
		R /ASE/ AUTO2 L REFAIR R /ASE/ INITHR L REFAIR R /ASE/ INITMS L REFAIR R /ASE/ MLTPTH L REFENUMT
ZMAGD	Magnitude of multipath coefficient.	R /ASE/ INT2 M L REFSEEK R /MPATHI/ PLOTIT M L LOCAL R /MPATHI/ INITE M L CORE R /MPATHI/ PLOTIT M L CORE R /MPATHI/ ECMAMP M L ECM R /MPATHI/ MLTPTH M L REFENUMT

## APPENDIX D - Additional Definitions

Name	Definition
AUTOGN	Gain for PSID feedback circuit; PSID late gain.  AUTOGN(1) Gain for PSID feedback circuit.  AUTOGN(2) PSID late gain.
AUTOL	Lower limits for PSID, THTD, DELP, or DELY in degrees.  AUTOL(1) Lower PSID limit.  AUTOL(2) Lower THTD limit.  AUTOL(3) Lower DELP limit.  AUTOL(4) Lower DELY limit.
AUTOU	Upper limits for PSID, THTD, DELP, or DELY in degrees.  AUTOU(1) Upper PSID limit.  AUTOU(2) Upper THTD limit.  AUTOU(3) Upper DELP limit.  AUTOU(4) Upper DELY limit.
G	G Array. Contains gain constants, etc.  G(1) DC blocking filter gain.  G(2) Pitch error filter gain.  G(3) Dish servo filter gain.  G(4) Search yaw beam rate in degrees/second.  G(5) Track yaw beam rate in degrees/second.  G(25) Loaded with 'AUX1' in subroutine DEMOD2.  G(26) Loaded with 'AUX2' in subroutine DEMOD2.  G(27) Loaded with 'AUX3' in subroutine DEMOD2.
IDPLOY	IDPLOY starts off at some initial value and is incremented as the associated platform goes through the various stages of its motion (i.e. launch, ballistic flight, level flight, etc). If IDPLOY is less than or equal to 0, the target does not respond to the seeker. If IDPLOY is greater than 0, the target does respond.  IDPLOY is initialized to -10 and is re-initialized at decoy launch to the appropriate value in the appropriate platform routine. For a ship IDPLOY is initialized to 1.
ISCINT	<pre>Indicates probability density type:     ISCINT(1,I) meanings:     1 = Chi square.     2 = Rayleigh.     3 = Rice power.     ISCINT(2,I) meanings:     0 = One density type only.     1 = No change in density type at bow or stern.     2 = Change at bow/stern and port/starboard.     ISCINT(3,I) meanings:     1 = Chi square.     2 = Rayleigh.     3 = Lognormal.     4 = Rice power. (Where I=target index)</pre>

#### Name Definition (Continued)

#### MODTYP Modulation type flag.

MODTYP meanings:

- 0 = No target (skipped).
- 1 = Passive target.
- 2 = Active repeater with constant delay.
- 3 = Active repeater with RGPO sweep.
- 4 = Active repeater with multiple pulse output.
- 5 = Active repeater with multiple pulses and RGPO.
- 6 = Noise jammer.
- 7 = Sea clutter return.
- SCINT(1,I) Current correlation time of RCS fluctuations computed in the program in milliseconds.
- SCINT(2,I) Current elevation angle between missile antenna and target ship I in radians.
- SCINT(3,I) Total (random plus deterministic) rate of change of elevation angle between missile and target ship I. (milliradians/second)
- SCINT(4,I) Current aspect angle between missile radar and target ship I in degrees.
- SCINT(5,I) Total (random plus deterministic) rate of change of aspect angle between missile and target ship I in milliradians/second.
- SCINT(6,1) Characteristic width of the ship (longest distance between major scatterers across the ship) in meters, usually equal to its width.
- SCINT(7,I) Length of major flat (dominant) reflector located alongside the ship in meters.
- SCINT(8,I) Length of major flat (dominant) reflector located across the ship in meters.
- SCINT(9,1) Real variable, dimensionless, between 0 and 1; percentage of probability densities that are of the same type as the one appearing at major aspect angles.
- SCINT(10,I) Characteristic length between major reflectors alongside the ship in meters. Used in correlation time calculation.
- SCINT(11,I) Replaced by ISCINT(1,I).
- SCINT(12,I) Random rate of change of aspect angle between missile and target ship I (1 100 milliradians/second).
- SCINT(13,I) Random rate of change of elevation angle between missile and target ship I (1 100 milliradians/second).
- SCINT(14,I) Dimensionless mean-to-median ratio for lognormal densities.
- SCINT(15,I) Switching angle for change in distribution type from major aspect types to mixture at stern and bow in degrees.
- SCINT(16,I) Switching angle for change in distribution type from major aspect type to mixture at port and starboard in degrees.
- SCINT(17,I) Replaced by ISCINT(2,I).
- SCINT(18,I) Initial value of deterministic rate of change of aspect angle in degrees/second.

# AFPENDIX D - Additional Definitions (Continued)

Name	Definition (Continued)
SCINT(19,I)	Dimensionless between 0 and 1. Percentage of probability densities that are of the same type as the one appearing at quarter aspect angles.
SCINT(20,1)	Angle sector over which probability density type is undetermined and use of mixed process model is required. (degrees)
SCINT(21,I)	Average random pitch rate for ship I in milliradians/second.
	Average random roll rate for ship I in milliradians/second.
	RMS value of pitch for ship I in radians.
SCINT(24,I)	RMS value of roll for ship I in radians.
SCINT(25, I)	Characteristic elevation angle indicating the beginning
	of increased values of median RCS. (radians)
SCINT(26, I)	Dimensionless ratio of steady power to average random
	power in case of Rice power statistics.
SCINT(28, I)	Dimensionless mean-to-median ratio of Rice
_	power statistics.
	Constant for elevation dependence of median RCS.
SCINT(30,I)	Ship's hull height above water line in meters.
	Where: I = target index.
T TA	rray. Contains time constants, time delays, etc.
I IA	Meanings:
	T(1) Low pass filter time constant.
	T(2) DC blocking filter time constant.
	T(3) Relay time delay in seconds.
	T(4) Pitch error filter time constant.
	T(5) Dish servo filter time constant.
	T(6) Dish servo filter time constant.
	T(7) Video threshold.
	T(8) Pulse counter threshold.
	T(9) Delay in acquisition mode to track in seconds.
	T(10) Delay from track to drop track in seconds.
	T(11) Delay in drop mode before search in seconds.
	T(13) Signal filter time constant.
	T(14) Yaw error filter time constant.
	T(15) Timing filter time constant.
	T(16) Threshold on timing filter.
	T(17) Lower range gate limit in microseconds. T(18) Upper range gate limit in microseconds.
	T(18) Upper range gate limit in microseconds.  T(19) Seeker transmit pulse width in microseconds.
	T(20) Seeker turn-on range in meters.
	T(21) Initial dish offset in degrees.
	T(22) Dish position limit in track mode in degrees.
	1 (22) Non bost truit the te crack more in delices.

TDPLOY Target deployment time is the initial time (in seconds) that the target platform location or target response to missile seeker has to be considered, whichever comes first.

# APPENDIX D - Additional Definitions (Continued)

Name	Definition	(Continued)
x	X integrator array.  Meanings:  X(1) Receive beam scanner position.	
		Video low pass filter.
		Yaw chopper sync signal.
		Pitch chopper sync signal.
		DC blocking filter.
		Relay delay clock.
		Yaw error filter.
		Pitch error.
		Dish servo filter.
		Signal loop filter.
		Signal loop filter.
		Noise loop filter.
		Yaw beam position in degrees.
	•	Pitch beam position in degrees.
		Clock for dish pitch motion.
		Pulse counter.
		Clock.
	· ·	Prediction gate clock.
		Prediction gate leading edge in microseconds.
		Search gate leading edge in microseconds.
		Track gate leading edge in microseconds.
		Lock command level.